

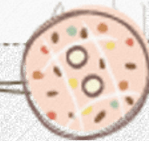


مدارس سعود العالمية
Saud International School

SUMMER PACK

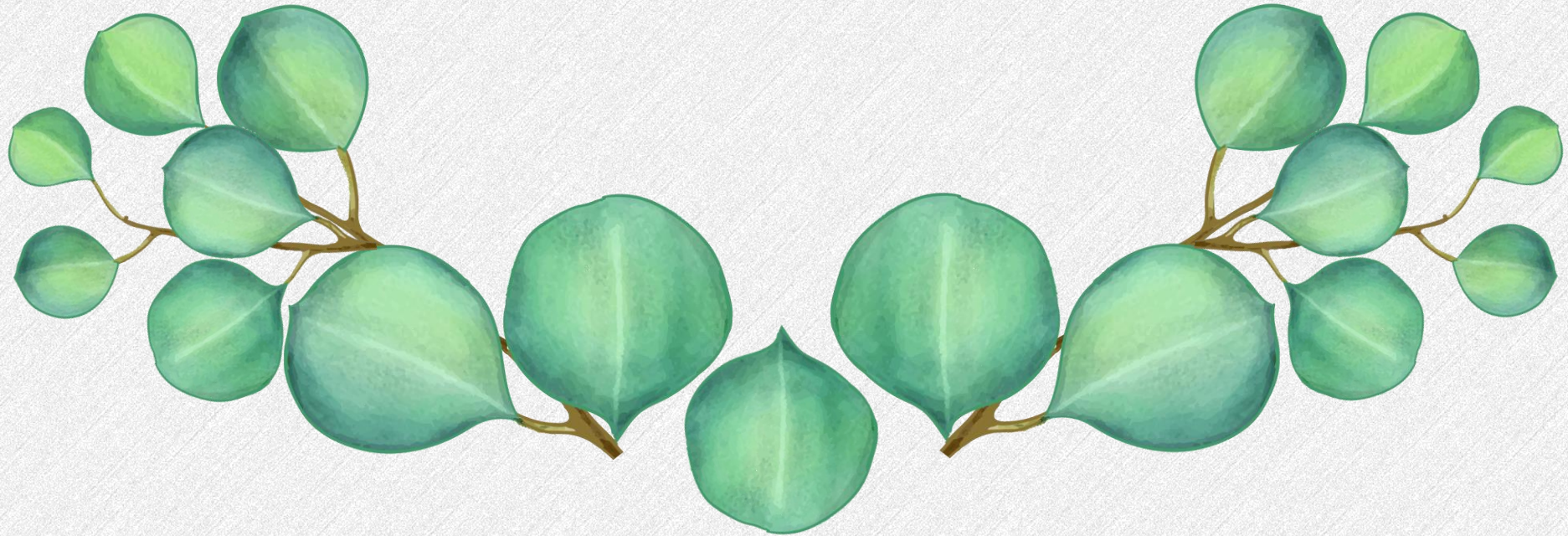
GRADE 5

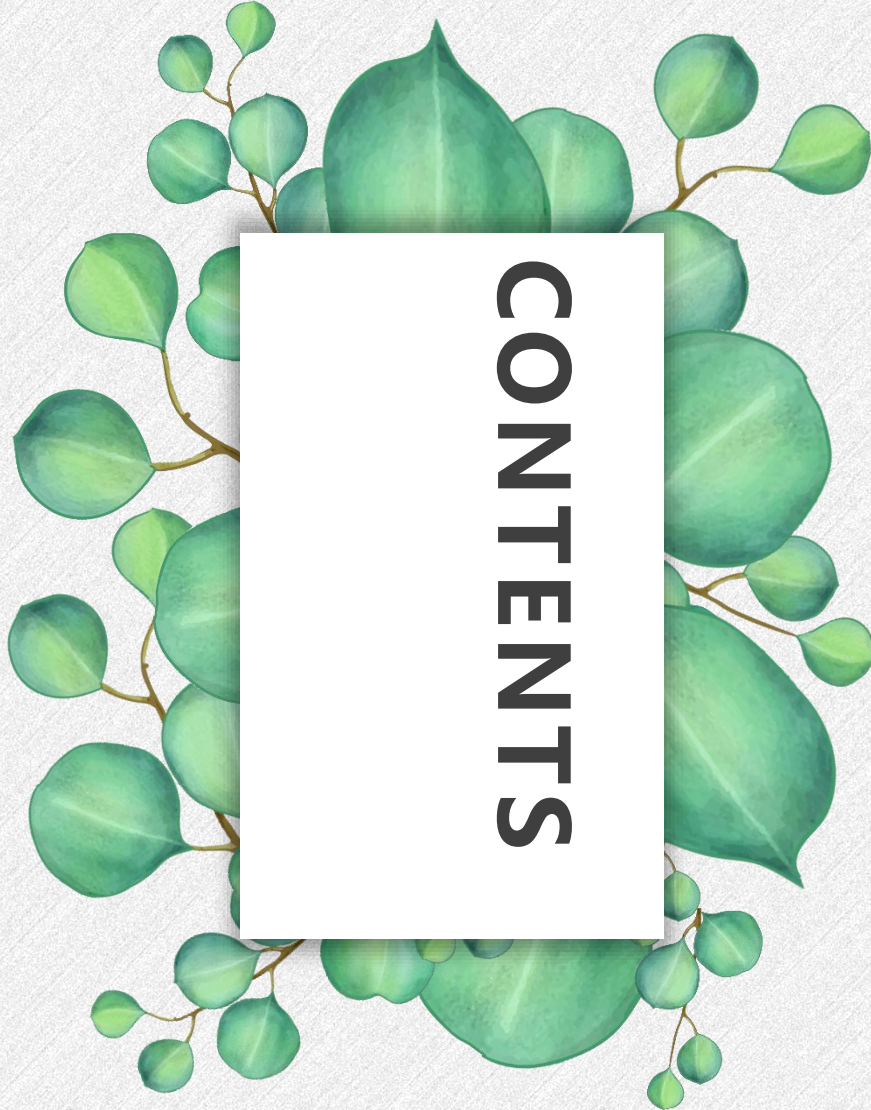
Mathematics



Pure mathematics is, in its way, the poetry of logical ideas.

-Albert Einstein





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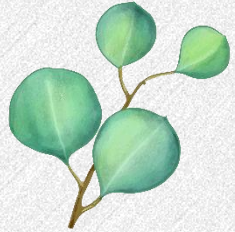
Prime numbers

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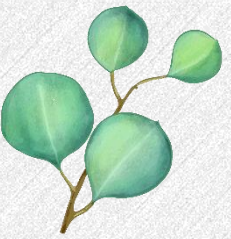


Prime Numbers 1-100

List of Prime Numbers

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

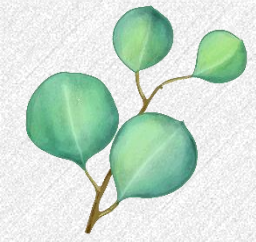




Multiplication Table 1-20

TIMES TABLE				
1 1×1=1 1×2=2 1×3=3 1×4=4 1×5=5 1×6=6 1×7=7 1×8=8 1×9=9 1×10=10	2 2×1=2 2×2=4 2×3=6 2×4=8 2×5=10 2×6=12 2×7=14 2×8=16 2×9=18 2×10=20	3 3×1=3 3×2=6 3×3=9 3×4=12 3×5=15 3×6=18 3×7=21 3×8=24 3×9=27 3×10=30	4 4×1=4 4×2=8 4×3=12 4×4=16 4×5=20 4×6=24 4×7=28 4×8=32 4×9=36 4×10=40	5 5×1=5 5×2=10 5×3=15 5×4=20 5×5=25 5×6=30 5×7=35 5×8=40 5×9=45 5×10=50
6 6×1=6 6×2=12 6×3=18 6×4=24 6×5=30 6×6=36 6×7=42 6×8=48 6×9=54 6×10=60	7 7×1=7 7×2=14 7×3=21 7×4=28 7×5=35 7×6=42 7×7=49 7×8=56 7×9=63 7×10=70	8 8×1=8 8×2=16 8×3=24 8×4=32 8×5=40 8×6=48 8×7=56 8×8=64 8×9=72 8×10=80	9 9×1=9 9×2=18 9×3=27 9×4=36 9×5=45 9×6=54 9×7=63 9×8=72 9×9=81 9×10=90	10 10×1=10 10×2=20 10×3=30 10×4=40 10×5=50 10×6=60 10×7=70 10×8=80 10×9=90 10×10=100
11 11×1=11 11×2=22 11×3=33 11×4=44 11×5=55 11×6=66 11×7=77 11×8=88 11×9=99 11×10=110	12 12×1=12 12×2=24 12×3=36 12×4=48 12×5=60 12×6=72 12×7=84 12×8=96 12×9=108 12×10=120	13 13×1=13 13×2=26 13×3=39 13×4=52 13×5=65 13×6=78 13×7=91 13×8=104 13×9=117 13×10=130	14 14×1=14 14×2=28 14×3=42 14×4=56 14×5=70 14×6=84 14×7=98 14×8=112 14×9=126 14×10=140	15 15×1=15 15×2=30 15×3=45 15×4=60 15×5=75 15×6=90 15×7=105 15×8=120 15×9=135 15×10=150
16 16×1=16 16×2=32 16×3=48 16×4=64 16×5=80 16×6=96 16×7=112 16×8=128 16×9=144 16×10=160	17 17×1=17 17×2=34 17×3=51 17×4=68 17×5=85 17×6=102 17×7=119 17×8=136 17×9=153 17×10=170	18 18×1=18 18×2=36 18×3=54 18×4=72 18×5=90 18×6=108 18×7=126 18×8=144 18×9=162 18×10=180	19 19×1=19 19×2=38 19×3=57 19×4=76 19×5=95 19×6=114 19×7=133 19×8=152 19×9=171 19×10=190	20 20×1=20 20×2=40 20×3=60 20×4=80 20×5=100 20×6=120 20×7=140 20×8=160 20×9=180 20×10=200





Websites



01

Math is Fun

<https://www.mathsisfun.com/>



02

Math Salamanders

<https://www.math-salamanders.com/>



03

Cool Math Games

<https://www.coolmathgames.com/>



Decimals Worksheet

Solve.

1 a. $0 + 8.2 + 6.7 = \underline{\quad}$

1 b. $3.7 + 7.3 + 1.5 = \underline{\quad}$

2 a. $8.4 + 3 + 1 = \underline{\quad}$

2 b. $7.4 + 3.9 + 2.8 = \underline{\quad}$

3 a. $6.6 + 7 + 6.6 = \underline{\quad}$

3 b. $1.8 + 3 + 2.2 = \underline{\quad}$

4 a. $9.3 + 1.0 + 9.1 = \underline{\quad}$

4 b. $6.0 + 7.4 + 7.2 = \underline{\quad}$

5 a. $8.9 + 1 + 1.9 = \underline{\quad}$

5 b. $9.0 + 5 + 1.3 = \underline{\quad}$

6 a. $3.8 + 5.9 + 6.1 = \underline{\quad}$

6 b. $7.4 + 5 + 4.2 = \underline{\quad}$

7 a. $5.1 + 4.5 + 3.4 = \underline{\quad}$

7 b. $2.6 + 8 + 0 = \underline{\quad}$

8 a. $5.9 + 2 + 7.8 = \underline{\quad}$

8 b. $6.2 + 3.0 + 8.6 = \underline{\quad}$

9 a. $0 + 3.6 + 9 = \underline{\quad}$

9 b. $7.2 + 1 + 4 = \underline{\quad}$

10 a. $7 + 3.8 + 5.4 = \underline{\quad}$

10 b. $1 + 9.6 + 8.9 = \underline{\quad}$

Answer Key

1 a. 14.9

2 a. 12.4

3 a. 20.2

4 a. 19.4

5 a. 11.8

6 a. 15.8

7 a. 13

8 a. 15.7

9 a. 12.6

10 a. 16.2

1 b. 12.5

2 b. 14.1

3 b. 7

4 b. 20.6

5 b. 15.3

6 b. 16.6

7 b. 10.6

8 b. 17.8

9 b. 12.2

10 b. 19.5

Decimals Worksheet

Solve.

1 a. $4.8 + 2.6 = \underline{\quad}$

1 b. $2.6 + 7 = \underline{\quad}$

2 a. $9.3 + 3.6 = \underline{\quad}$

2 b. $7.3 + 5.2 = \underline{\quad}$

3 a. $5.1 + 2 = \underline{\quad}$

3 b. $6.7 + 9.9 = \underline{\quad}$

4 a. $4.4 + 5.6 = \underline{\quad}$

4 b. $8.9 + 5.1 = \underline{\quad}$

5 a. $2.4 + 1.9 = \underline{\quad}$

5 b. $7.7 + 4 = \underline{\quad}$

6 a. $4.2 + 9.4 = \underline{\quad}$

6 b. $7.8 + 8.3 = \underline{\quad}$

7 a. $0.1 + 9 = \underline{\quad}$

7 b. $0.6 + 0.8 = \underline{\quad}$

8 a. $8.8 + 2.3 = \underline{\quad}$

8 b. $7.6 + 5 = \underline{\quad}$

9 a. $5 + 9.4 = \underline{\quad}$

9 b. $8.5 + 7.6 = \underline{\quad}$

10 a. $1 + 1.1 = \underline{\quad}$

10 b. $5.1 + 0.9 = \underline{\quad}$

Answer Key

- 1 a. 7.4
- 2 a. 12.9
- 3 a. 7.1
- 4 a. 10
- 5 a. 4.3
- 6 a. 13.6
- 7 a. 9.1
- 8 a. 11.1
- 9 a. 14.4
- 10 a. 2.1

- 1 b. 9.6
- 2 b. 12.5
- 3 b. 16.6
- 4 b. 14
- 5 b. 11.7
- 6 b. 16.1
- 7 b. 1.4
- 8 b. 12.6
- 9 b. 16.1
- 10 b. 6

Decimals Worksheet

Solve.

$$\begin{array}{r} \mathbf{1\ a.} \quad 99.0 \\ + \quad 28.94 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{1\ b.} \quad 56.6 \\ + \quad 0.2 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{2\ a.} \quad 91.19 \\ + \quad 18.2 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{2\ b.} \quad 69.98 \\ + \quad 84.9 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{3\ a.} \quad 33.93 \\ + \quad 75.83 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{3\ b.} \quad 47.86 \\ + \quad 81.23 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{4\ a.} \quad 37.0 \\ + \quad 10.6 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{4\ b.} \quad 34.99 \\ + \quad 70.24 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{5\ a.} \quad 37.01 \\ + \quad 20.69 \\ \hline \end{array}$$

$$\begin{array}{r} \mathbf{5\ b.} \quad 38.46 \\ + \quad 95.0 \\ \hline \end{array}$$

Answer Key

1 a. 127.94

2 a. 109.39

3 a. 109.76

4 a. 47.6

5 a. 57.7

1 b. 56.8

2 b. 154.88

3 b. 129.09

4 b. 105.23

5 b. 133.46

Fractions Worksheet

1 a. $\frac{6}{4} + \frac{2}{4} =$

1 b. $\frac{6}{9} + \frac{20}{9} =$

2 a. $\frac{9}{8} - \frac{9}{8} =$

2 b. $\frac{8}{4} + \frac{11}{4} =$

3 a. $\frac{5}{10} + \frac{22}{10} =$

3 b. $\frac{9}{5} + \frac{11}{5} =$

4 a. $\frac{10}{6} + \frac{9}{6} =$

4 b. $\frac{6}{4} + \frac{16}{4} =$

5 a. $\frac{8}{6} + \frac{14}{6} =$

5 b. $\frac{4}{8} + \frac{21}{8} =$

6 a. $\frac{7}{6} + \frac{23}{6} =$

6 b. $\frac{8}{3} + \frac{19}{3} =$

Answer Key

1 a. 2	1 b. $2\frac{8}{9}$
2 a. 0	2 b. $4\frac{3}{4}$
3 a. $2\frac{7}{10}$	3 b. 4
4 a. $3\frac{1}{6}$	4 b. $5\frac{1}{2}$
5 a. $3\frac{2}{3}$	5 b. $3\frac{1}{8}$
6 a. 5	6 b. 9

Fractions Worksheet

1 a. $\frac{42}{6} + \frac{45}{6} =$

1 b. $\frac{29}{11} - \frac{20}{11} =$

2 a. $\frac{24}{10} + \frac{36}{10} =$

2 b. $\frac{37}{18} + \frac{80}{18} =$

3 a. $\frac{40}{7} + \frac{92}{7} =$

3 b. $\frac{33}{6} + \frac{67}{6} =$

4 a. $\frac{26}{11} + \frac{61}{11} =$

4 b. $\frac{26}{6} + \frac{33}{6} =$

5 a. $\frac{9}{2} + \frac{18}{2} =$

5 b. $\frac{21}{18} + \frac{64}{18} =$

6 a. $\frac{23}{13} + \frac{4}{13} =$

6 b. $\frac{25}{6} - \frac{5}{6} =$

Answer Key

1 a. $14\frac{1}{2}$	1 b. $\frac{9}{11}$
2 a. 6	2 b. $6\frac{1}{2}$
3 a. $18\frac{6}{7}$	3 b. $16\frac{2}{3}$
4 a. $7\frac{10}{11}$	4 b. $9\frac{5}{6}$
5 a. $13\frac{1}{2}$	5 b. $4\frac{13}{18}$
6 a. $2\frac{1}{13}$	6 b. $3\frac{1}{3}$

Fractions Worksheet

1 a. $7\frac{1}{2} - 3\frac{1}{2} + 3\frac{1}{2} =$

1 b. $4\frac{3}{10} - 1\frac{8}{10} + 2\frac{4}{10} =$

2 a. $8\frac{1}{2} + 8\frac{1}{2} + 6\frac{1}{2} =$

2 b. $9\frac{2}{12} + 1\frac{5}{12} + 3\frac{5}{12} =$

3 a. $6\frac{1}{4} + 2\frac{2}{4} + 3\frac{1}{4} =$

3 b. $2\frac{1}{11} + 4\frac{2}{11} - 6\frac{1}{11} =$

4 a. $7\frac{1}{5} + 4\frac{4}{5} + 6\frac{1}{5} =$

4 b. $4\frac{1}{3} - 3\frac{2}{3} + 4\frac{1}{3} =$

5 a. $4\frac{5}{9} + 6\frac{5}{9} - 3\frac{3}{9} =$

5 b. $3\frac{2}{8} - 6\frac{4}{8} + 4\frac{5}{8} =$

6 a. $8\frac{2}{4} + 4\frac{3}{4} - 3\frac{1}{4} =$

6 b. $1\frac{5}{11} - 2\frac{7}{11} + 4\frac{8}{11} =$

Answer Key

1 a. $7\frac{1}{2}$	1 b. $4\frac{9}{10}$
2 a. $23\frac{1}{2}$	2 b. 14
3 a. 12	3 b. $\frac{2}{11}$
4 a. $18\frac{1}{5}$	4 b. 5
5 a. $7\frac{7}{9}$	5 b. $1\frac{3}{8}$
6 a. 10	6 b. $3\frac{6}{11}$

Fractions Worksheet

1 a. $5 + 4\frac{8}{22} =$

1 b. $3\frac{9}{14} - 3 =$

2 a. $\frac{40}{7} + 2 =$

2 b. $12\frac{6}{7} + 3 =$

3 a. $9 - \frac{26}{21} =$

3 b. $3 + 2 =$

4 a. $4 - \frac{15}{8} =$

4 b. $5\frac{2}{25} - 2\frac{8}{25} =$

5 a. $4\frac{6}{8} + 5\frac{1}{8} =$

5 b. $\frac{36}{16} + \frac{7}{16} =$

6 a. $\frac{5}{24} + 3\frac{21}{24} =$

6 b. $5 + 3 =$

Answer Key

1 a. $9\frac{4}{11}$	1 b. $\frac{9}{14}$
2 a. $7\frac{5}{7}$	2 b. $15\frac{6}{7}$
3 a. $7\frac{16}{21}$	3 b. 5
4 a. $2\frac{1}{8}$	4 b. $2\frac{19}{25}$
5 a. $9\frac{7}{8}$	5 b. $2\frac{11}{16}$
6 a. $4\frac{1}{12}$	6 b. 8

Fractions Worksheet

1 a. $13\frac{3}{4} + 6\frac{1}{6} =$

1 b. $5\frac{21}{25} + 6\frac{1}{4} =$

2 a. $11\frac{1}{2} + 7\frac{1}{5} =$

2 b. $6\frac{2}{5} + 2\frac{10}{13} =$

3 a. $5\frac{1}{13} + 4\frac{5}{7} =$

3 b. $3\frac{1}{14} - 2\frac{1}{3} =$

4 a. $10\frac{1}{2} - 3\frac{1}{21} =$

4 b. $2\frac{1}{10} + 4\frac{1}{5} =$

5 a. $4\frac{15}{22} - 3\frac{1}{12} =$

5 b. $6\frac{9}{11} - 3\frac{1}{20} =$

Answer Key

1 a. $19\frac{11}{12}$	1 b. $12\frac{9}{100}$
2 a. $18\frac{7}{10}$	2 b. $9\frac{11}{65}$
3 a. $9\frac{72}{91}$	3 b. $\frac{31}{42}$
4 a. $7\frac{19}{42}$	4 b. $6\frac{3}{10}$
5 a. $1\frac{79}{132}$	5 b. $3\frac{169}{220}$

Fractions Worksheet

1 a. $\frac{1}{3} + \frac{3}{4} =$

1 b. $\frac{11}{12} + \frac{1}{4} =$

2 a. $\frac{1}{9} + \frac{1}{5} =$

2 b. $\frac{5}{6} - \frac{5}{7} =$

3 a. $\frac{5}{9} + \frac{2}{5} =$

3 b. $\frac{2}{11} + \frac{1}{4} =$

4 a. $\frac{1}{5} + \frac{2}{9} =$

4 b. $\frac{3}{8} - \frac{1}{4} =$

5 a. $\frac{4}{7} - \frac{2}{9} =$

5 b. $\frac{3}{8} + \frac{2}{3} =$

Answer Key

1 a. $1\frac{1}{12}$	1 b. $1\frac{1}{6}$
2 a. $\frac{14}{45}$	2 b. $\frac{5}{42}$
3 a. $\frac{43}{45}$	3 b. $\frac{19}{44}$
4 a. $\frac{19}{45}$	4 b. $\frac{1}{8}$
5 a. $\frac{22}{63}$	5 b. $1\frac{1}{24}$

Math Worksheet

1 a. $47 = n - 33$

1 b. $83 - a = 53$

2 a. $40 = s + 3$

2 b. $36 = 57 - t$

3 a. $b + 55 = 141$

3 b. $97 = 12 + a$

4 a. $95 = y + 20$

4 b. $t - 8 = 73$

5 a. $46 = 75 - a$

5 b. $s - 31 = 20$

6 a. $38 = 10 + d$

6 b. $t - 10 = 0$

Answer Key

1 a. 80

1 b. 30

2 a. 37

2 b. 21

3 a. 86

3 b. 85

4 a. 75

4 b. 81

5 a. 29

5 b. 51

6 a. 28

6 b. 10

Math Worksheet

1 a. $890 - v = 112$

1 b. $446 + d = 1139$

2 a. $932 + m = 1767$

2 b. $m - 131 = 123$

3 a. $111 - n = 72$

3 b. $a - 246 = 135$

4 a. $v + 380 = 760$

4 b. $512 - a = 242$

Answer Key

1 a. 778

1 b. 693

2 a. 835

2 b. 254

3 a. 39

3 b. 381

4 a. 380

4 b. 270

Classify Quadrilaterals Worksheet

Classify (name) the quadrilaterals.

1 a.



1 b.



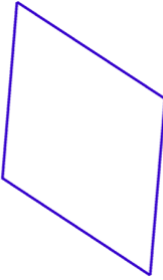
2 a.



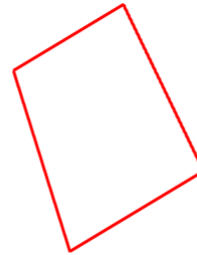
2 b.



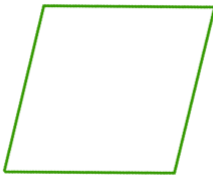
3 a.



3 b.



4 a.



4 b.



Answer Key

1 a. rectangle

1 b. rectangle

2 a. parallelogram

2 b. rectangle

3 a. rhombus

3 b. trapezoid

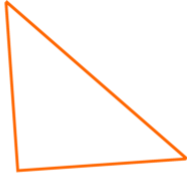
4 a. rhombus

4 b. square

Classify Triangles Worksheet

Classify the triangles by their sides *and* angles (such as isosceles obtuse).

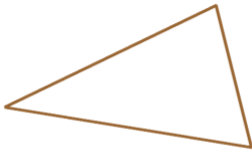
1 a.



1 b.



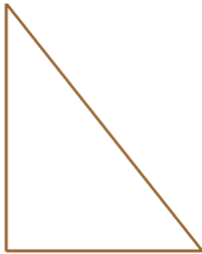
2 a.



2 b.



3 a.



3 b.



4 a.



4 b.



Answer Key

1 a. isosceles, right

1 b. isosceles, right

2 a. scalene, acute

2 b. scalene, acute

3 a. scalene, right

3 b. scalene, acute

4 a. scalene, acute

4 b. isosceles, obtuse

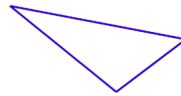
Classify Triangles Worksheet

Classify the triangles by their angles (acute, right, obtuse).

1 a.



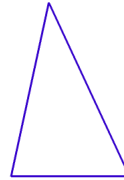
1 b.



2 a.



2 b.



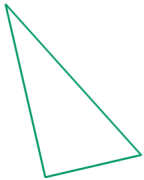
3 a.



3 b.



4 a.



4 b.



Answer Key

1 a. right

1 b. obtuse

2 a. acute

2 b. acute

3 a. acute

3 b. obtuse

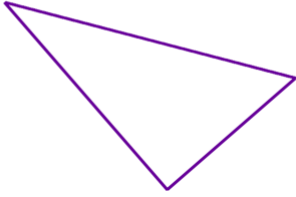
4 a. right

4 b. right

Classify Triangles Worksheet

Classify the triangles by their sides (equilateral, isosceles, scalene).

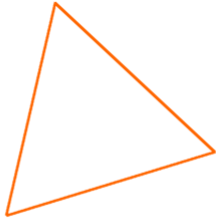
1 a.



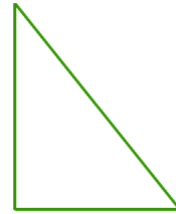
1 b.



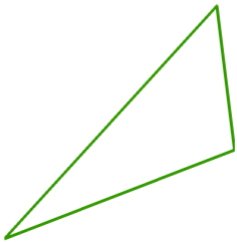
2 a.



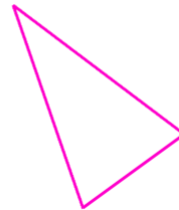
2 b.



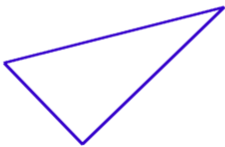
3 a.



3 b.



4 a.



4 b.



Answer Key

1 a. scalene

1 b. scalene

2 a. equilateral

2 b. scalene

3 a. scalene

3 b. isosceles

4 a. scalene

4 b. scalene

Measuring Units Worksheet

Convert.

1 a. 23.98 kg = _____ g

1 b. 405 ml = _____ L

2 a. 5,600 ml = _____ L

2 b. 0.4 kg = _____ g

3 a. 21.7 kg = _____ g

3 b. 7,405 g = _____ kg

4 a. 6,559 ml = _____ L

4 b. 21.3 L = _____ ml

5 a. 172 ml = _____ L

5 b. 1,955 ml = _____ L

6 a. 1,937 ml = _____ L

6 b. 2.66 kg = _____ g

7 a. 615 ml = _____ L

7 b. 18,101 ml = _____ L

8 a. 1.2 L = _____ ml

8 b. 9.2 kg = _____ g

9 a. 19.14 kg = _____ g

9 b. 7.7 kg = _____ g

10 a. 1,603 ml = _____ L

10 b. 4.06 L = _____ ml

Answer Key

1 a. 23,980 g

2 a. 5.6 L

3 a. 21,700 g

4 a. 6.559 L

5 a. 0.172 L

6 a. 1.937 L

7 a. 0.615 L

8 a. 1,200 ml

9 a. 19,140 g

10 a. 1.603 L

1 b. 0.405 L

2 b. 400 g

3 b. 7.405 kg

4 b. 21,300 ml

5 b. 1.955 L

6 b. 2,660 g

7 b. 18.101 L

8 b. 9,200 g

9 b. 7,700 g

10 b. 4,060 ml

Measuring Units Worksheet

Convert.

1 a. 26 ft = _____ yd _____ ft

1 b. 12 yd = _____ ft

2 a. 7 ft = _____ yd _____ ft

2 b. 1 yd 1 ft = _____ ft

3 a. 40 in = _____ ft _____ in

3 b. 106 in = _____ ft _____ in

4 a. 7 ft 2 in = _____ in

4 b. 89 in = _____ ft _____ in

5 a. 7 ft 7 in = _____ in

5 b. 5 yd 1 ft = _____ ft

6 a. 16 in = _____ ft _____ in

6 b. 2 ft 7 in = _____ in

7 a. 7 ft 11 in = _____ in

7 b. 7 ft 10 in = _____ in

8 a. 10 ft = _____ yd _____ ft

8 b. 7 yd 1 ft = _____ ft

9 a. 11 yd = _____ ft

9 b. 9 yd = _____ ft

10 a. 10 yd 2 ft = _____ ft

10 b. 8 ft 2 in = _____ in

Answer Key

1 a. 8 yd 2 ft

2 a. 2 yd 1 ft

3 a. 3 ft 4 in

4 a. 86 in

5 a. 91 in

6 a. 1 ft 4 in

7 a. 95 in

8 a. 3 yd 1 ft

9 a. 33 ft

10 a. 32 ft

1 b. 36 ft

2 b. 4 ft

3 b. 8 ft 10 in

4 b. 7 ft 5 in

5 b. 16 ft

6 b. 31 in

7 b. 94 in

8 b. 22 ft

9 b. 27 ft

10 b. 98 in

Measuring Units Worksheet

Convert.

1 a. 37 in = _____ ft _____ in

1 b. 63 in = _____ ft _____ in

2 a. 2 ft = _____ in

2 b. 101 in = _____ ft _____ in

3 a. 51 in = _____ ft _____ in

3 b. 119 in = _____ ft _____ in

4 a. 89 in = _____ ft _____ in

4 b. 120 in = _____ ft _____ in

5 a. 9 ft 7 in = _____ in

5 b. 75 in = _____ ft _____ in

6 a. 1 ft 6 in = _____ in

6 b. 5 ft 1 in = _____ in

7 a. 56 in = _____ ft _____ in

7 b. 16 in = _____ ft _____ in

8 a. 2 ft 6 in = _____ in

8 b. 99 in = _____ ft _____ in

9 a. 7 ft 3 in = _____ in

9 b. 9 ft 8 in = _____ in

10 a. 102 in = _____ ft _____ in

10 b. 9 ft 10 in = _____ in

Answer Key

1 a. 3 ft 1 in

2 a. 24 in

3 a. 4 ft 3 in

4 a. 7 ft 5 in

5 a. 115 in

6 a. 18 in

7 a. 4 ft 8 in

8 a. 30 in

9 a. 87 in

10 a. 8 ft 6 in

1 b. 5 ft 3 in

2 b. 8 ft 5 in

3 b. 9 ft 11 in

4 b. 10 ft

5 b. 6 ft 3 in

6 b. 61 in

7 b. 1 ft 4 in

8 b. 8 ft 3 in

9 b. 116 in

10 b. 118 in

Measuring Units Worksheet

Convert.

1 a. $0.91 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

1 b. $2 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

2 a. $22.2 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

2 b. $625 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

3 a. $214 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

3 b. $24 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

4 a. $1.86 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

4 b. $47 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

5 a. $334 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

5 b. $7 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

6 a. $928 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

6 b. $5 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

7 a. $5 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

7 b. $7.5 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

8 a. $9.1 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

8 b. $138 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

9 a. $480 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

9 b. $8.57 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

10 a. $4.2 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

10 b. $54 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

Answer Key

1 a. 91 cm

2 a. 222 mm

3 a. 2.14 m

4 a. 186 cm

5 a. 33.4 cm

6 a. 92.8 cm

7 a. 0.05 m

8 a. 910 cm

9 a. 4.8 m

10 a. 42 mm

1 b. 0.2 cm

2 b. 6.25 m

3 b. 2.4 cm

4 b. 4.7 cm

5 b. 0.7 cm

6 b. 0.5 cm

7 b. 750 cm

8 b. 1.38 m

9 b. 857 cm

10 b. 0.54 m

Measuring Units Worksheet

Convert.

1 a. 5 lb 7 oz = _____ oz

1 b. 83 oz = _____ lb _____ oz

2 a. 5 lb 5 oz = _____ oz

2 b. 33 oz = _____ lb _____ oz

3 a. 5 lb 12 oz = _____ oz

3 b. 1 lb 13 oz = _____ oz

4 a. 1 lb 14 oz = _____ oz

4 b. 4 lb 3 oz = _____ oz

5 a. 77 oz = _____ lb _____ oz

5 b. 22 oz = _____ lb _____ oz

6 a. 17 oz = _____ lb _____ oz

6 b. 69 oz = _____ lb _____ oz

7 a. 3 lb 5 oz = _____ oz

7 b. 66 oz = _____ lb _____ oz

8 a. 59 oz = _____ lb _____ oz

8 b. 3 lb 3 oz = _____ oz

9 a. 1 lb 10 oz = _____ oz

9 b. 3 lb 2 oz = _____ oz

10 a. 3 lb 14 oz = _____ oz

10 b. 4 lb 4 oz = _____ oz

Answer Key

1 a. 87 oz

2 a. 85 oz

3 a. 92 oz

4 a. 30 oz

5 a. 4 lb 13 oz

6 a. 1 lb 1 oz

7 a. 53 oz

8 a. 3 lb 11 oz

9 a. 26 oz

10 a. 62 oz

1 b. 5 lb 3 oz

2 b. 2 lb 1 oz

3 b. 29 oz

4 b. 67 oz

5 b. 1 lb 6 oz

6 b. 4 lb 5 oz

7 b. 4 lb 2 oz

8 b. 51 oz

9 b. 50 oz

10 b. 68 oz

Measuring Units Worksheet

Convert.

1 a. 13,000 lb = ____ T ____ lb

1 b. 18,800 lb = ____ T ____ lb

2 a. 6,400 lb = ____ T ____ lb

2 b. 3 T 600 lb = ____ lb

3 a. 2 T 200 lb = ____ lb

3 b. 16,200 lb = ____ T ____ lb

4 a. 2,000 lb = ____ T ____ lb

4 b. 6 T 1,800 lb = ____ lb

5 a. 8 T 1,600 lb = ____ lb

5 b. 6 T 800 lb = ____ lb

6 a. 15,400 lb = ____ T ____ lb

6 b. 2 T 0 lb = ____ lb

7 a. 2,400 lb = ____ T ____ lb

7 b. 3,400 lb = ____ T ____ lb

8 a. 9 T 600 lb = ____ lb

8 b. 12,000 lb = ____ T ____ lb

9 a. 6,800 lb = ____ T ____ lb

9 b. 17,800 lb = ____ T ____ lb

10 a. 6,200 lb = ____ T ____ lb

10 b. 4,400 lb = ____ T ____ lb

11 a. 4 T 0 lb = ____ lb

11 b. 4,800 lb = ____ T ____ lb

12 a. 3,800 lb = ____ T ____ lb

12 b. 6 T 200 lb = ____ lb

Answer Key

1 a. 6 T 1,000 lb

2 a. 3 T 400 lb

3 a. 4,200 lb

4 a. 1 T 0 lb

5 a. 17,600 lb

6 a. 7 T 1,400 lb

7 a. 1 T 400 lb

8 a. 18,600 lb

9 a. 3 T 800 lb

10 a. 3 T 200 lb

11 a. 8,000 lb

12 a. 1 T 1,800 lb

1 b. 9 T 800 lb

2 b. 6,600 lb

3 b. 8 T 200 lb

4 b. 13,800 lb

5 b. 12,800 lb

6 b. 4,000 lb

7 b. 1 T 1,400 lb

8 b. 6 T 0 lb

9 b. 8 T 1,800 lb

10 b. 2 T 400 lb

11 b. 2 T 800 lb

12 b. 12,200 lb

Fractions Worksheet

Write these fractions as mixed numbers.

1 a. $\frac{16}{9}$

1 b. $\frac{5}{4}$

2 a. $\frac{23}{5}$

2 b. $\frac{5}{2}$

3 a. $\frac{20}{10}$

3 b. $\frac{8}{5}$

4 a. $\frac{30}{5}$

4 b. $\frac{12}{5}$

5 a. $\frac{30}{7}$

5 b. $\frac{18}{9}$

6 a. $\frac{29}{8}$

6 b. $\frac{27}{12}$

Answer Key

The answers are given in lowest terms (simplified).

1 a. $1\frac{7}{9}$

1 b. $1\frac{1}{4}$

2 a. $4\frac{3}{5}$

2 b. $2\frac{1}{2}$

3 a. 2

3 b. $1\frac{3}{5}$

4 a. 6

4 b. $2\frac{2}{5}$

5 a. $4\frac{2}{7}$

5 b. 2

6 a. $3\frac{5}{8}$

6 b. $2\frac{1}{4}$

Fractions Worksheet

Write these mixed numbers as fractions.

1 a. $5\frac{6}{7}$

1 b. $4\frac{4}{6}$

1 c. $1\frac{1}{6}$

2 a. $4\frac{1}{5}$

2 b. $1\frac{1}{8}$

2 c. $2\frac{1}{8}$

3 a. $2\frac{4}{7}$

3 b. $3\frac{3}{4}$

3 c. $1\frac{3}{4}$

4 a. $4\frac{1}{8}$

4 b. $4\frac{1}{2}$

4 c. $4\frac{2}{7}$

5 a. $3\frac{2}{3}$

5 b. $2\frac{2}{5}$

5 c. $1\frac{3}{6}$

6 a. $1\frac{7}{8}$

6 b. $2\frac{6}{7}$

6 c. $2\frac{5}{6}$

Answer Key

The answers are given in lowest terms (simplified).

1 a. $\frac{41}{7}$

1 b. $\frac{14}{3}$

1 c. $\frac{7}{6}$

2 a. $\frac{21}{5}$

2 b. $\frac{9}{8}$

2 c. $\frac{17}{8}$

3 a. $\frac{18}{7}$

3 b. $\frac{15}{4}$

3 c. $\frac{7}{4}$

4 a. $\frac{33}{8}$

4 b. $\frac{9}{2}$

4 c. $\frac{30}{7}$

5 a. $\frac{11}{3}$

5 b. $\frac{12}{5}$

5 c. $\frac{3}{2}$

6 a. $\frac{15}{8}$

6 b. $\frac{20}{7}$

6 c. $\frac{17}{6}$

Decimals Worksheet

Solve.

1 a. $5.7 \div 3 = \underline{\quad}$

1 b. $7.2 \div 9 = \underline{\quad}$

2 a. $8.2 \div 2 = \underline{\quad}$

2 b. $5.0 \div 5 = \underline{\quad}$

3 a. $9.1 \div 7 = \underline{\quad}$

3 b. $4.5 \div 9 = \underline{\quad}$

4 a. $1.5 \div 3 = \underline{\quad}$

4 b. $0.3 \div 3 = \underline{\quad}$

5 a. $6.8 \div 4 = \underline{\quad}$

5 b. $7.0 \div 7 = \underline{\quad}$

6 a. $4.0 \div 8 = \underline{\quad}$

6 b. $5.4 \div 2 = \underline{\quad}$

7 a. $2.4 \div 4 = \underline{\quad}$

7 b. $8.4 \div 7 = \underline{\quad}$

8 a. $4.5 \div 3 = \underline{\quad}$

8 b. $8.5 \div 5 = \underline{\quad}$

9 a. $2.0 \div 2 = \underline{\quad}$

9 b. $7.5 \div 5 = \underline{\quad}$

10 a. $5.1 \div 3 = \underline{\quad}$

10 b. $3.6 \div 2 = \underline{\quad}$

Answer Key

1 a. 1.9

2 a. 4.1

3 a. 1.3

4 a. 0.5

5 a. 1.7

6 a. 0.5

7 a. 0.6

8 a. 1.5

9 a. 1

10 a. 1.7

1 b. 0.8

2 b. 1

3 b. 0.5

4 b. 0.1

5 b. 1

6 b. 2.7

7 b. 1.2

8 b. 1.7

9 b. 1.5

10 b. 1.8

Decimals Worksheet

Solve.

1 a.

$$9 \overline{) 10.8}$$

1 b.

$$2 \overline{) 20.152}$$

2 a.

$$2 \overline{) 4.386}$$

2 b.

$$7 \overline{) 21.651}$$

3 a.

$$9 \overline{) 25.965}$$

3 b.

$$3 \overline{) 19.5}$$

Answer Key

1 a. 1.2	1 b. 10.076
2 a. 2.193	2 b. 3.093
3 a. 2.885	3 b. 6.5

Name: _____ Date: _____

Division Worksheet

1 a.

$$\begin{array}{r} \overline{) 6} \end{array}$$

1 b.

$$\begin{array}{r} \overline{) 8} \end{array}$$

1 c.

$$\begin{array}{r} \overline{) 16} \end{array}$$

2 a.

$$\begin{array}{r} \overline{) 63} \end{array}$$

2 b.

$$\begin{array}{r} \overline{) 12} \end{array}$$

2 c.

$$\begin{array}{r} \overline{) 8} \end{array}$$

3 a.

$$\begin{array}{r} \overline{) 24} \end{array}$$

3 b.

$$\begin{array}{r} \overline{) 54} \end{array}$$

3 c.

$$\begin{array}{r} \overline{) 32} \end{array}$$

4 a.

$$\begin{array}{r} \overline{) 18} \end{array}$$

4 b.

$$\begin{array}{r} \overline{) 40} \end{array}$$

4 c.

$$\begin{array}{r} \overline{) 12} \end{array}$$

Name: _____ Date: _____

Answer Key

1 a. 3

1 b. 2

1 c. 8

2 a. 9

2 b. 3

2 c. 1

3 a. 3

3 b. 6

3 c. 4

4 a. 6

4 b. 8

4 c. 2

Name: _____ Date: _____

Division Worksheet

1 a.

$$\begin{array}{r} \overline{)91} \end{array}$$

1 b.

$$\begin{array}{r} \overline{)90} \end{array}$$

1 c.

$$\begin{array}{r} \overline{)56} \end{array}$$

2 a.

$$\begin{array}{r} \overline{)55} \end{array}$$

2 b.

$$\begin{array}{r} \overline{)48} \end{array}$$

2 c.

$$\begin{array}{r} \overline{)96} \end{array}$$

3 a.

$$\begin{array}{r} \overline{)36} \end{array}$$

3 b.

$$\begin{array}{r} \overline{)72} \end{array}$$

3 c.

$$\begin{array}{r} \overline{)57} \end{array}$$

4 a.

$$\begin{array}{r} \overline{)74} \end{array}$$

4 b.

$$\begin{array}{r} \overline{)68} \end{array}$$

4 c.

$$\begin{array}{r} \overline{)88} \end{array}$$

Name: _____ Date: _____

Answer Key

1 a. 13

1 b. 15

1 c. 28

2 a. 11

2 b. 12

2 c. 48

3 a. 18

3 b. 18

3 c. 19

4 a. 37

4 b. 17

4 c. 22

Name: _____ Date: _____

Division Worksheet

1 a.

$$\begin{array}{r} \overline{4) 424} \end{array}$$

1 b.

$$\begin{array}{r} \overline{4) 516} \end{array}$$

1 c.

$$\begin{array}{r} \overline{4) 772} \end{array}$$

2 a.

$$\begin{array}{r} \overline{8) 944} \end{array}$$

2 b.

$$\begin{array}{r} \overline{3) 603} \end{array}$$

2 c.

$$\begin{array}{r} \overline{2) 538} \end{array}$$

3 a.

$$\begin{array}{r} \overline{8) 504} \end{array}$$

3 b.

$$\begin{array}{r} \overline{9) 144} \end{array}$$

3 c.

$$\begin{array}{r} \overline{5) 760} \end{array}$$

Name: _____ Date: _____

Answer Key

1 a. 106

1 b. 129

1 c. 193

2 a. 118

2 b. 201

2 c. 269

3 a. 63

3 b. 16

3 c. 152

Name: _____ Date: _____

Division Worksheet

1 a.

$$\begin{array}{r} \\ 8 \overline{) 4136} \end{array}$$

1 b.

$$\begin{array}{r} \\ 3 \overline{) 7494} \end{array}$$

1 c.

$$\begin{array}{r} \\ 5 \overline{) 5180} \end{array}$$

2 a.

$$\begin{array}{r} \\ 5 \overline{) 5965} \end{array}$$

2 b.

$$\begin{array}{r} \\ 6 \overline{) 2814} \end{array}$$

2 c.

$$\begin{array}{r} \\ 3 \overline{) 2436} \end{array}$$

Name: _____ Date: _____

Answer Key

1 a. 517

1 b. 2498

1 c. 1036

2 a. 1193

2 b. 469

2 c. 812

Name: _____ Date: _____

Division Worksheet

1 a.

$$\begin{array}{r} \\ 3 \overline{) 96346275} \end{array}$$

1 b.

$$\begin{array}{r} \\ 2 \overline{) 92930948} \end{array}$$

2 a.

$$\begin{array}{r} \\ 2 \overline{) 59482030} \end{array}$$

2 b.

$$\begin{array}{r} \\ 2 \overline{) 17204254} \end{array}$$

Name: _____ Date: _____

Answer Key

1 a. 32115425

1 b. 46465474

2 a. 29741015

2 b. 8602127

Name: _____ Date: _____

Division Worksheet

1 a.

$$84 \overline{) 5551}$$

1 b.

$$88 \overline{) 2683}$$

1 c.

$$15 \overline{) 9450}$$

2 a.

$$66 \overline{) 3472}$$

2 b.

$$15 \overline{) 9032}$$

2 c.

$$52 \overline{) 4964}$$

3 a.

$$65 \overline{) 5267}$$

3 b.

$$37 \overline{) 6805}$$

3 c.

$$48 \overline{) 5603}$$

Name: _____ Date: _____

Answer Key

1 a. 66 R 7

1 b. 30 R 43

1 c. 630 R 0

2 a. 52 R 40

2 b. 602 R 2

2 c. 95 R 24

3 a. 81 R 2

3 b. 183 R 34

3 c. 116 R 35

Name: _____ Date: _____

Division Worksheet

1 a.

$$76 \overline{) 52696}$$

1 b.

$$27 \overline{) 86533}$$

2 a.

$$91 \overline{) 68990}$$

2 b.

$$76 \overline{) 78431}$$

3 a.

$$25 \overline{) 36253}$$

3 b.

$$93 \overline{) 56089}$$

Name: _____ Date: _____

Answer Key

1 a. 693 R 28

1 b. 3204 R 25

2 a. 758 R 12

2 b. 1031 R 75

3 a. 1450 R 3

3 b. 603 R 10

Name: _____ Date: _____

Division Worksheet

1 a.

$$64 \overline{) 238701}$$

1 b.

$$43 \overline{) 854852}$$

2 a.

$$26 \overline{) 886061}$$

2 b.

$$64 \overline{) 163953}$$

Name: _____ Date: _____

Answer Key

1 a. 3729 R 45

1 b. 19880 R 12

2 a. 34079 R 7

2 b. 2561 R 49

Name: _____ Date: _____

Division Worksheet

1 a. $29 \div 4 =$ _____

1 b. $17 \div 5 =$ _____

2 a. $7 \div 4 =$ _____

2 b. $16 \div 5 =$ _____

3 a. $35 \div 4 =$ _____

3 b. $22 \div 3 =$ _____

4 a. $21 \div 3 =$ _____

4 b. $4 \div 2 =$ _____

5 a. $16 \div 4 =$ _____

5 b. $23 \div 3 =$ _____

6 a. $19 \div 4 =$ _____

6 b. $35 \div 5 =$ _____

7 a. $13 \div 2 =$ _____

7 b. $10 \div 4 =$ _____

8 a. $26 \div 5 =$ _____

8 b. $12 \div 5 =$ _____

9 a. $21 \div 5 =$ _____

9 b. $24 \div 3 =$ _____

10 a. $20 \div 3 =$ _____

10 b. $17 \div 4 =$ _____

Name: _____ Date: _____

Answer Key

1 a. 7 R 1

1 b. 3 R 2

2 a. 1 R 3

2 b. 3 R 1

3 a. 8 R 3

3 b. 7 R 1

4 a. 7 R 0

4 b. 2 R 0

5 a. 4 R 0

5 b. 7 R 2

6 a. 4 R 3

6 b. 7 R 0

7 a. 6 R 1

7 b. 2 R 2

8 a. 5 R 1

8 b. 2 R 2

9 a. 4 R 1

9 b. 8 R 0

10 a. 6 R 2

10 b. 4 R 1

Name: _____ Date: _____

Division Worksheet

1 a. $79 \div 8 =$ _____

1 b. $52 \div 6 =$ _____

2 a. $59 \div 6 =$ _____

2 b. $66 \div 9 =$ _____

3 a. $23 \div 7 =$ _____

3 b. $49 \div 9 =$ _____

4 a. $51 \div 9 =$ _____

4 b. $10 \div 8 =$ _____

5 a. $51 \div 7 =$ _____

5 b. $38 \div 7 =$ _____

6 a. $28 \div 6 =$ _____

6 b. $69 \div 7 =$ _____

7 a. $38 \div 8 =$ _____

7 b. $46 \div 6 =$ _____

8 a. $12 \div 7 =$ _____

8 b. $82 \div 9 =$ _____

9 a. $8 \div 6 =$ _____

9 b. $54 \div 9 =$ _____

10 a. $55 \div 7 =$ _____

10 b. $19 \div 6 =$ _____

Name: _____ Date: _____

Answer Key

1 a. 9 R 7

1 b. 8 R 4

2 a. 9 R 5

2 b. 7 R 3

3 a. 3 R 2

3 b. 5 R 4

4 a. 5 R 6

4 b. 1 R 2

5 a. 7 R 2

5 b. 5 R 3

6 a. 4 R 4

6 b. 9 R 6

7 a. 4 R 6

7 b. 7 R 4

8 a. 1 R 5

8 b. 9 R 1

9 a. 1 R 2

9 b. 6 R 0

10 a. 7 R 6

10 b. 3 R 1

Name: _____ Date: _____

Division Worksheet

1 a. $23 \div \underline{\hspace{2cm}} = 4 \text{ R } 3$

1 b. $20 \div \underline{\hspace{2cm}} = 10 \text{ R } 0$

2 a. $8 \div \underline{\hspace{2cm}} = 2 \text{ R } 0$

2 b. $6 \div \underline{\hspace{2cm}} = 3 \text{ R } 0$

3 a. $46 \div \underline{\hspace{2cm}} = 9 \text{ R } 1$

3 b. $\underline{\hspace{2cm}} \div 5 = 7 \text{ R } 4$

4 a. $47 \div \underline{\hspace{2cm}} = 7 \text{ R } 5$

4 b. $8 \div \underline{\hspace{2cm}} = 1 \text{ R } 3$

5 a. $\underline{\hspace{2cm}} \div 6 = 9 \text{ R } 4$

5 b. $\underline{\hspace{2cm}} \div 6 = 3 \text{ R } 2$

6 a. $\underline{\hspace{2cm}} \div 6 = 9 \text{ R } 5$

6 b. $\underline{\hspace{2cm}} \div 6 = 7 \text{ R } 1$

7 a. $8 \div \underline{\hspace{2cm}} = 4 \text{ R } 0$

7 b. $\underline{\hspace{2cm}} \div 6 = 1 \text{ R } 5$

8 a. $35 \div \underline{\hspace{2cm}} = 5 \text{ R } 5$

8 b. $26 \div \underline{\hspace{2cm}} = 5 \text{ R } 1$

9 a. $\underline{\hspace{2cm}} \div 2 = 5 \text{ R } 1$

9 b. $9 \div \underline{\hspace{2cm}} = 3 \text{ R } 0$

10 a. $4 \div \underline{\hspace{2cm}} = 1 \text{ R } 1$

10 b. $\underline{\hspace{2cm}} \div 6 = 2 \text{ R } 1$

Answer Key

1 a. 5

1 b. 2

2 a. 4

2 b. 2

3 a. 5

3 b. 39

4 a. 6

4 b. 5

5 a. 58

5 b. 20

6 a. 59

6 b. 43

7 a. 2

7 b. 11

8 a. 6

8 b. 5

9 a. 11

9 b. 3

10 a. 3

10 b. 13

Name: _____ Date: _____

Division Worksheet

1 a. $360 \div 50 =$ _____

1 b. $289 \div 40 =$ _____

2 a. $235 \div 80 =$ _____

2 b. $99 \div 70 =$ _____

3 a. $60 \div 60 =$ _____

3 b. $182 \div 30 =$ _____

4 a. $145 \div 90 =$ _____

4 b. $272 \div 30 =$ _____

5 a. $75 \div 50 =$ _____

5 b. $461 \div 90 =$ _____

6 a. $163 \div 30 =$ _____

6 b. $286 \div 80 =$ _____

7 a. $60 \div 40 =$ _____

7 b. $333 \div 60 =$ _____

8 a. $358 \div 60 =$ _____

8 b. $332 \div 50 =$ _____

9 a. $184 \div 30 =$ _____

9 b. $245 \div 90 =$ _____

10 a. $437 \div 60 =$ _____

10 b. $265 \div 80 =$ _____

Answer Key

1 a. 7 R 10

1 b. 7 R 9

2 a. 2 R 75

2 b. 1 R 29

3 a. 1 R 0

3 b. 6 R 2

4 a. 1 R 55

4 b. 9 R 2

5 a. 1 R 25

5 b. 5 R 11

6 a. 5 R 13

6 b. 3 R 46

7 a. 1 R 20

7 b. 5 R 33

8 a. 5 R 58

8 b. 6 R 32

9 a. 6 R 4

9 b. 2 R 65

10 a. 7 R 17

10 b. 3 R 25

Name: _____ Date: _____

Division Worksheet

1 a. $3100 \div 400 =$ _____ 1 b. $1550 \div 300 =$ _____

2 a. $2600 \div 400 =$ _____ 2 b. $1250 \div 700 =$ _____

3 a. $1200 \div 400 =$ _____ 3 b. $1500 \div 200 =$ _____

4 a. $2400 \div 600 =$ _____ 4 b. $1050 \div 900 =$ _____

5 a. $1950 \div 900 =$ _____ 5 b. $4250 \div 500 =$ _____

6 a. $2750 \div 800 =$ _____ 6 b. $750 \div 600 =$ _____

7 a. $2550 \div 300 =$ _____ 7 b. $1700 \div 900 =$ _____

8 a. $2450 \div 300 =$ _____ 8 b. $1000 \div 300 =$ _____

9 a. $1600 \div 700 =$ _____ 9 b. $1700 \div 400 =$ _____

10 a. $3650 \div 400 =$ _____ 10 b. $3400 \div 500 =$ _____

Answer Key

1 a. 7 R 300

1 b. 5 R 50

2 a. 6 R 200

2 b. 1 R 550

3 a. 3 R 0

3 b. 7 R 100

4 a. 4 R 0

4 b. 1 R 150

5 a. 2 R 150

5 b. 8 R 250

6 a. 3 R 350

6 b. 1 R 150

7 a. 8 R 150

7 b. 1 R 800

8 a. 8 R 50

8 b. 3 R 100

9 a. 2 R 200

9 b. 4 R 100

10 a. 9 R 50

10 b. 6 R 400

Name: _____ Date: _____

Division Worksheet

1 a.

$$6 \overline{) 24}$$

1 b.

$$3 \overline{) 30}$$

1 c.

$$3 \overline{) 8}$$

2 a.

$$6 \overline{) 21}$$

2 b.

$$3 \overline{) 21}$$

2 c.

$$6 \overline{) 7}$$

3 a.

$$5 \overline{) 41}$$

3 b.

$$5 \overline{) 36}$$

3 c.

$$4 \overline{) 22}$$

4 a.

$$5 \overline{) 20}$$

4 b.

$$5 \overline{) 49}$$

4 c.

$$5 \overline{) 14}$$

Name: _____ Date: _____

Answer Key

1 a. 4 R 0

1 b. 10 R 0

1 c. 2 R 2

2 a. 3 R 3

2 b. 7 R 0

2 c. 1 R 1

3 a. 8 R 1

3 b. 7 R 1

3 c. 5 R 2

4 a. 4 R 0

4 b. 9 R 4

4 c. 2 R 4

Evaluate Expressions

You can **evaluate** numeric expressions and algebraic expressions.

To evaluate a numeric expression, you find the value of the expression.

Evaluate $5 \times (4 + 6)$

Step 1: First evaluate the operation in parentheses.

$$5 \times (4 + 6)$$

$$5 \times 10$$

Step 2: Then multiply to complete evaluating the expression.

$$5 \times 10$$

$$50$$

If an expression has parentheses, do the operation(s) in parentheses first.

To evaluate an algebraic expression, you first replace the variable with a number and then find the value of the expression.

Evaluate $2.8 + n$ if $n = 3$

Step 1: Substitute the value of the variable for n .

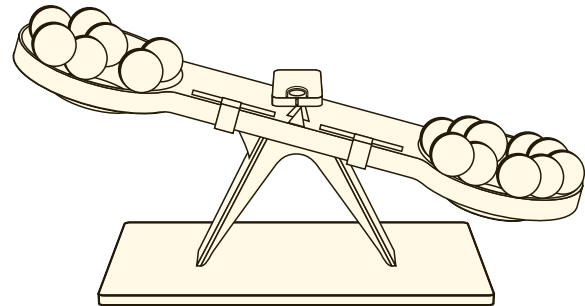
$$2.8 + n$$

$$2.8 + 3$$

Step 2: Then add to evaluate the expression.

$$2.8 + 3$$

$$5.8$$



Evaluate each expression.

1. $3n + 2$ if $n = 4$

2. $(25 - 16) \times 3$

3. $\frac{28}{n}$ if $n = 7$

4. $16 \times n$ if $n = 6$

5. $(14 \div 2) - n$ if $n = 7$

6. $(13.2 - 5) + 1.4$

7. $4n$ if $n = 8$

8. $24 + (6 \times 3)$

9. $31.9 + (n - 5)$ if $n = 9$

10. $9n + 4$ if $n = 7$

11. $7 + (30 \div 5)$

12. $\frac{49}{n}$ if $n = 7$

13. $51 - 3n$ if $n = 7$

14. $(9 + n) \times 7$
if $n = 3$

15. $4n + 9$ if $n = 1$

16. $37 + (9 - 3.3)$

Expressions and Variables

An **expression** has numbers, operation signs, and sometimes variables. An expression does not have an equal sign.

A **numerical expression** has only number and operation signs.

6 plus the product of 8 and 4

Step 1: Identify the operation, or operations, used.

plus indicates addition and *product* indicates multiplication

Step 2: Translate the words into a numerical expression.

6 plus the product of 8 and 4

$$6 + 8 \times 4$$

Use clue words to help you write expressions. For example: more, sum, added, and plus indicate addition.

An **algebraic expression** is an expression with at least one variable. A **variable** is a letter or symbol that stands for one or more numbers.

Carol had some pens. She gave away 5 of her pens.

Step 1: Identify the operation, or operations, used.

gave away indicates subtraction

Step 2: Choose a variable.

In this case the variable represents the number of pens, so use p .

Step 3: Write an algebraic expression.

Carol's pens number of pens she gave away

$$p \quad - \quad 5$$

Think: It is a good idea to use a variable that helps you remember what it represents. In this case, $p =$ means pens.

Write a numerical expression. Tell what the expression represents.

1. Hank ran 14 miles one week and 17 miles the next week.

2. 52 more than 24

3. 6 plus the quotient of 56 and 7

Write an algebraic expression. Tell what the variable represents.

4. Kelly has 4 pairs of jeans. He grew out of 1 pair and bought some more jeans.

5. Adam hiked for a while. He then hiked for 20 more minutes.

6. Quinn has three times more markers than crayons.

Factoring Worksheet

Factor the following numbers to their prime factors.

1 a. 20

1 b. 98

2 a. 34

2 b. 10

3 a. 17

3 b. 28

4 a. 30

4 b. 31

Answer Key

1 c. $2^2 \times 5$

1 b. 2×7^2

2 b. 2×17

2 b. 2×5

3 b. prime

3 b. $2^2 \times 7$

4 b. $2 \times 3 \times 5$

4 c. prime

Factoring Worksheet

List all the factors of the given numbers.

1 a. 41

1 b. 37

2 a. 72

2 b. 64

3 a. 36

3 b. 59

4 a. 12

4 b. 77

Answer Key

1 c. 1, 41

1 a. 1, 37

2 a. 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36,
72

2 a. 1, 2, 4, 8, 16, 32, 64

3 a. 1, 2, 3, 4, 6, 9, 12, 18, 36

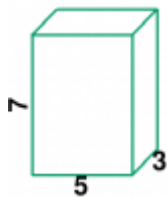
3 a. 1, 59

4 a. 1, 2, 3, 4, 6, 12

4 a. 1, 7, 11, 77

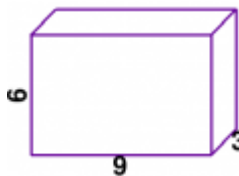
Volume/Surface Area

1 a.



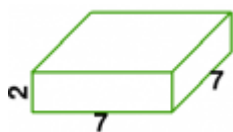
Find the volume of this rectangular prism.

1 b.



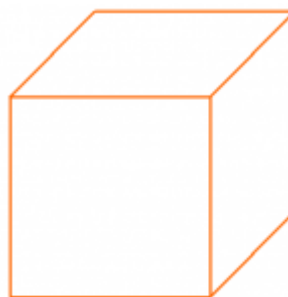
Find the volume of this rectangular prism.

2 a.



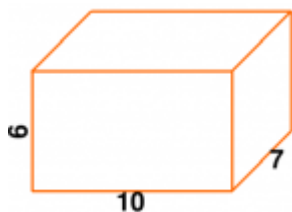
Find the volume of this rectangular prism.

2 b.



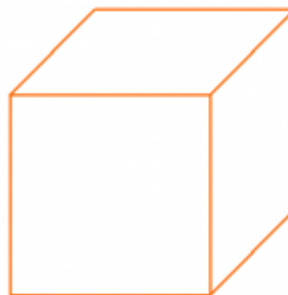
The volume of this cube is 1000 cubic units. What is its edge length?

3 a.



Find the volume of this rectangular prism.

3 b.



The volume of this cube is 1000 cubic units. What is its edge length?

Answer Key

1 a. The volume is 105 cubic units.	1 b. The volume is 162 cubic units.
2 a. The volume is 98 cubic units.	2 b. The edge length is 10 units.
3 a. The volume is 420 cubic units.	3 b. The edge length is 10 units.

Fractions Worksheet

1 a. $2 \div \frac{1}{2} =$

1 b. $5 \div \frac{1}{12} =$

2 a. $6 \div \frac{1}{7} =$

2 b. $4 \div \frac{1}{7} =$

3 a. $7 \div \frac{1}{12} =$

3 b. $9 \div \frac{1}{6} =$

4 a. $13 \div \frac{1}{12} =$

4 b. $3 \div \frac{1}{8} =$

5 a. $1 \div \frac{1}{4} =$

5 b. $1 \div \frac{1}{6} =$

6 a. $5 \div \frac{1}{7} =$

6 b. $11 \div \frac{1}{8} =$

7 a. $11 \div \frac{1}{10} =$

7 b. $7 \div \frac{1}{10} =$

8 a. $15 \div \frac{1}{8} =$

8 b. $12 \div \frac{1}{4} =$

Answer Key

1 a. 4	1 b. 60
2 a. 42	2 b. 28
3 a. 84	3 b. 54
4 a. 156	4 b. 24
5 a. 4	5 b. 6
6 a. 35	6 b. 88
7 a. 110	7 b. 70
8 a. 120	8 b. 48

Fractions Worksheet

1 a. $\frac{1}{8} \div 10 =$

1 b. $\frac{1}{11} \div 3 =$

2 a. $\frac{1}{19} \div 8 =$

2 b. $\frac{1}{12} \div 8 =$

3 a. $\frac{1}{7} \div 5 =$

3 b. $\frac{1}{4} \div 6 =$

4 a. $\frac{1}{2} \div 5 =$

4 b. $\frac{1}{6} \div 3 =$

5 a. $\frac{1}{14} \div 7 =$

5 b. $\frac{1}{13} \div 6 =$

6 a. $\frac{1}{13} \div 3 =$

6 b. $\frac{1}{12} \div 2 =$

7 a. $\frac{1}{17} \div 5 =$

7 b. $\frac{1}{15} \div 5 =$

8 a. $\frac{1}{2} \div 6 =$

8 b. $\frac{1}{19} \div 7 =$

Answer Key

1 a. $\frac{1}{80}$	1 b. $\frac{1}{33}$
2 a. $\frac{1}{152}$	2 b. $\frac{1}{96}$
3 a. $\frac{1}{35}$	3 b. $\frac{1}{24}$
4 a. $\frac{1}{10}$	4 b. $\frac{1}{18}$
5 a. $\frac{1}{98}$	5 b. $\frac{1}{78}$
6 a. $\frac{1}{39}$	6 b. $\frac{1}{24}$
7 a. $\frac{1}{85}$	7 b. $\frac{1}{75}$
8 a. $\frac{1}{12}$	8 b. $\frac{1}{133}$

Greatest Common Factor

Name : Class :

Score :

What is the greatest common factor of the following numbers ?

1) **2 & 4**

2) **3 & 9**

3) **4 & 20**

4) **35 & 49**

5) **7 & 49**

Greatest Common Factor

Name : Class :

Score : **Answer**

What is the greatest common factor of the following numbers ?

1) **2 & 4**

2

2) **3 & 9**

3

3) **4 & 20**

4

4) **35 & 49**

7

5) **7 & 49**

7

Problem Solving Workshop Strategy:

Guess and Check

Mr. Connors travels around the country to cooking shows. He drove a total of $78\frac{1}{3}$ miles on Monday and Tuesday. He drove $1\frac{2}{3}$ more miles on Monday than on Tuesday. How many miles did Mr. Connors drive each day?

Read to Understand

- How will increasing Monday's distance affect the total distance?

Plan

- What strategy can you use to solve this problem? _____

Solve

- Why is 35 a better guess for Monday's distance than 75?

- Continue with the strategy to find how far Mr. Connors drove on Monday and Tuesday.

Guess for Monday's distance	Tuesday's distance must be this:	Check	Conclusion
$35\frac{2}{3}$ miles	$35\frac{2}{3} - 1\frac{2}{3} = 34$	$35\frac{2}{3} - 34 = 69\frac{2}{3}$	Too low

Check

- How can you check to see if your answer is reasonable?

Use guess and check to solve.

- Arvin is thinking of two numbers. The sum of the numbers is 31. Their difference is 7. What are the numbers?
- Lana has $4\frac{1}{2}$ yards of red and yellow ribbons. She has 1 yard more of red than of yellow. How much of each color does she have?



Identify Faces of a Solid Figure

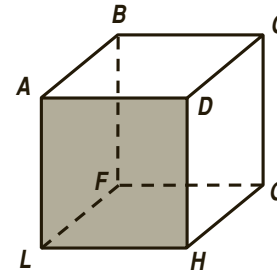
Faces of a solid figure are named using the vertices of each face.

The cube has 6 faces.

The face shaded light gray is $ADHE$.

The other faces of the cube are:

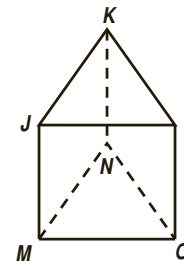
$ABFE$, $BCGF$, $CDHG$, $EFGH$, and $ABCD$



You can compare the faces of a solid figure to see if they are related using parallel, perpendicular, and congruent.

- Parallel faces are always the same distance from each other and never intersect. The bases of prisms are parallel.

The faces JKL and MNO are parallel.



- Perpendicular faces form a 90° angle where they meet.

Prisms have perpendicular faces where faces meet bases.

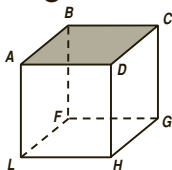
The faces $JKMN$, $KLON$, and $JLMO$ are perpendicular to JKL and MNO .

- Congruent faces are the same shape and size.

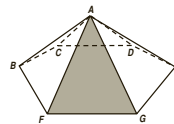
JKL and MNO are congruent as are $JKMN$, $KLON$, and $JLMO$.

For each figure, name the faces that are parallel, perpendicular, and congruent to the face shaded. All bases are regular polygons.

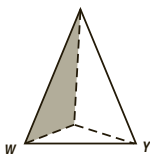
1.



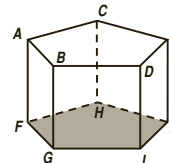
2.



3.



4.





Math Worksheet

1 a. $300 \times \underline{\hspace{2cm}} = 1800$

1 b. $\underline{\hspace{2cm}} \times 80 = 8000$

2 a. $\underline{\hspace{2cm}} \times 90 = 36000$

2 b. $\underline{\hspace{2cm}} \times 30 = 15000$

3 a. $2 \times \underline{\hspace{2cm}} = 1800$

3 b. $300 \times \underline{\hspace{2cm}} = 24000$

4 a. $500 \times \underline{\hspace{2cm}} = 25000$

4 b. $20 \times \underline{\hspace{2cm}} = 12000$

5 a. $80 \times \underline{\hspace{2cm}} = 16000$

5 b. $\underline{\hspace{2cm}} \times 900 = 2700$

6 a. $600 \times \underline{\hspace{2cm}} = 54000$

6 b. $\underline{\hspace{2cm}} \times 7 = 2800$

7 a. $900 \times \underline{\hspace{2cm}} = 36000$

7 b. $400 \times \underline{\hspace{2cm}} = 20000$

8 a. $\underline{\hspace{2cm}} \times 30 = 6000$

8 b. $\underline{\hspace{2cm}} \times 9 = 900$

9 a. $30 \times \underline{\hspace{2cm}} = 15000$

9 b. $\underline{\hspace{2cm}} \times 30 = 18000$

10 a. $3 \times \underline{\hspace{2cm}} = 900$

10 b. $\underline{\hspace{2cm}} \times 700 = 4200$

Answer Key

1 a.	6	1 b.	100
2 a.	400	2 b.	500
3 a.	900	3 b.	80
4 a.	50	4 b.	600
5 a.	200	5 b.	3
6 a.	90	6 b.	400
7 a.	40	7 b.	50
8 a.	200	8 b.	100
9 a.	500	9 b.	600
10 a.	300	10 b.	6

Math Worksheet

Solve the equations.

1 a. $51 \div \underline{\hspace{2cm}} = 17$

1 b. $\underline{\hspace{2cm}} \div 18 = 87$

2 a. $2190 \div \underline{\hspace{2cm}} = 73$

2 b. $\underline{\hspace{2cm}} \div 55 = 43$

3 a. $990 \div \underline{\hspace{2cm}} = 55$

3 b. $3861 \div \underline{\hspace{2cm}} = 99$

Answer Key

1 a. 3

1 b. 1566

2 a. 30

2 b. 2365

3 a. 18

3 b. 39

Math Worksheet

1 a. $90 \times 2000 =$ _____

1 b. $6000 \times 5000 =$ _____

2 a. $60 \times 9000 =$ _____

2 b. $10 \times 80 =$ _____

3 a. $30 \times 90 =$ _____

3 b. $40 \times 7000 =$ _____

4 a. $20 \times 10 =$ _____

4 b. $50 \times 4000 =$ _____

5 a. $5000 \times 3000 =$ _____

5 b. $1000 \times 60 =$ _____

6 a. $6000 \times 10 =$ _____

6 b. $10 \times 6000 =$ _____

7 a. $700 \times 300 =$ _____

7 b. $100 \times 50 =$ _____

8 a. $20 \times 200 =$ _____

8 b. $7000 \times 10 =$ _____

9 a. $600 \times 2000 =$ _____

9 b. $50 \times 7000 =$ _____

Answer Key

1 a. 180000

1 b. 30000000

2 a. 540000

2 b. 800

3 a. 2700

3 b. 280000

4 a. 200

4 b. 200000

5 a. 15000000

5 b. 60000

6 a. 60000

6 b. 60000

7 a. 210000

7 b. 5000

8 a. 4000

8 b. 70000

9 a. 1200000

9 b. 350000

Math Worksheet

1 a. $7 \times 35 =$ _____

1 b. $5 \times 82 =$ _____

2 a. $3 \times 37 =$ _____

2 b. $8 \times 81 =$ _____

3 a. $7 \times 100 =$ _____

3 b. $6 \times 21 =$ _____

4 a. $3 \times 34 =$ _____

4 b. $5 \times 48 =$ _____

5 a. $7 \times 79 =$ _____

5 b. $3 \times 47 =$ _____

6 a. $9 \times 80 =$ _____

6 b. $3 \times 25 =$ _____

7 a. $4 \times 20 =$ _____

7 b. $8 \times 63 =$ _____

8 a. $6 \times 31 =$ _____

8 b. $4 \times 90 =$ _____

9 a. $2 \times 84 =$ _____

9 b. $3 \times 57 =$ _____

10 a. $3 \times 41 =$ _____

10 b. $7 \times 57 =$ _____

Answer Key

1 a. 245

1 b. 410

2 a. 111

2 b. 648

3 a. 700

3 b. 126

4 a. 102

4 b. 240

5 a. 553

5 b. 141

6 a. 720

6 b. 75

7 a. 80

7 b. 504

8 a. 186

8 b. 360

9 a. 168

9 b. 171

10 a. 123

10 b. 399

Math Worksheet

1 a. $6 \times 99 =$ _____

1 b. $4 \times 105 =$ _____

2 a. $6 \times 105 =$ _____

2 b. $2 \times 101 =$ _____

3 a. $3 \times 96 =$ _____

3 b. $5 \times 102 =$ _____

4 a. $7 \times 104 =$ _____

4 b. $5 \times 99 =$ _____

5 a. $7 \times 102 =$ _____

5 b. $5 \times 103 =$ _____

6 a. $3 \times 95 =$ _____

6 b. $7 \times 98 =$ _____

7 a. $6 \times 103 =$ _____

7 b. $8 \times 99 =$ _____

8 a. $2 \times 97 =$ _____

8 b. $4 \times 102 =$ _____

9 a. $9 \times 95 =$ _____

9 b. $7 \times 96 =$ _____

10 a. $2 \times 99 =$ _____

10 b. $8 \times 98 =$ _____

Answer Key

1 a. 594

1 b. 420

2 a. 630

2 b. 202

3 a. 288

3 b. 510

4 a. 728

4 b. 495

5 a. 714

5 b. 515

6 a. 285

6 b. 686

7 a. 618

7 b. 792

8 a. 194

8 b. 408

9 a. 855

9 b. 672

10 a. 198

10 b. 784

Math Worksheet

1 a. $7 \times 35 =$ _____

1 b. $5 \times 82 =$ _____

2 a. $3 \times 37 =$ _____

2 b. $8 \times 81 =$ _____

3 a. $7 \times 100 =$ _____

3 b. $6 \times 21 =$ _____

4 a. $3 \times 34 =$ _____

4 b. $5 \times 48 =$ _____

5 a. $7 \times 79 =$ _____

5 b. $3 \times 47 =$ _____

6 a. $9 \times 80 =$ _____

6 b. $3 \times 25 =$ _____

7 a. $4 \times 20 =$ _____

7 b. $8 \times 63 =$ _____

8 a. $6 \times 31 =$ _____

8 b. $4 \times 90 =$ _____

9 a. $2 \times 84 =$ _____

9 b. $3 \times 57 =$ _____

10 a. $3 \times 41 =$ _____

10 b. $7 \times 57 =$ _____

Answer Key

1 a. 245

1 b. 410

2 a. 111

2 b. 648

3 a. 700

3 b. 126

4 a. 102

4 b. 240

5 a. 553

5 b. 141

6 a. 720

6 b. 75

7 a. 80

7 b. 504

8 a. 186

8 b. 360

9 a. 168

9 b. 171

10 a. 123

10 b. 399

Math Worksheet

1 a.

$$\begin{array}{r} 6384 \\ \times \quad 82 \\ \hline \end{array}$$

1 b.

$$\begin{array}{r} 3029 \\ \times \quad 49 \\ \hline \end{array}$$

2 a.

$$\begin{array}{r} 9839 \\ \times \quad 63 \\ \hline \end{array}$$

2 b.

$$\begin{array}{r} 7641 \\ \times \quad 59 \\ \hline \end{array}$$

3 a.

$$\begin{array}{r} 8493 \\ \times \quad 33 \\ \hline \end{array}$$

3 b.

$$\begin{array}{r} 4596 \\ \times \quad 74 \\ \hline \end{array}$$

Answer Key

1 a. 523488

1 b. 148421

2 a. 619857

2 b. 450819

3 a. 280269

3 b. 340104

Math Worksheet

1 a.

$$\begin{array}{r} 87945 \\ \times \quad 66 \\ \hline \end{array}$$

1 b.

$$\begin{array}{r} 98715 \\ \times \quad 15 \\ \hline \end{array}$$

2 a.

$$\begin{array}{r} 62316 \\ \times \quad 20 \\ \hline \end{array}$$

2 b.

$$\begin{array}{r} 10126 \\ \times \quad 65 \\ \hline \end{array}$$

3 a.

$$\begin{array}{r} 36798 \\ \times \quad 33 \\ \hline \end{array}$$

3 b.

$$\begin{array}{r} 47914 \\ \times \quad 74 \\ \hline \end{array}$$

Answer Key

1 a. 5804370

1 b. 1480725

2 a. 1246320

2 b. 658190

3 a. 1214334

3 b. 3545636

Math Worksheet

1 a.

$$\begin{array}{r} 608 \\ \times 628 \\ \hline \end{array}$$

1 b.

$$\begin{array}{r} 676 \\ \times 780 \\ \hline \end{array}$$

2 a.

$$\begin{array}{r} 577 \\ \times 814 \\ \hline \end{array}$$

2 b.

$$\begin{array}{r} 238 \\ \times 133 \\ \hline \end{array}$$

3 a.

$$\begin{array}{r} 852 \\ \times 290 \\ \hline \end{array}$$

3 b.

$$\begin{array}{r} 809 \\ \times 784 \\ \hline \end{array}$$

Answer Key

1 a. 381824

1 b. 527280

2 a. 469678

2 b. 31654

3 a. 247080

3 b. 634256

Math Worksheet

1 a.

$$\begin{array}{r} 9973 \\ \times 948 \\ \hline \end{array}$$

1 b.

$$\begin{array}{r} 1731 \\ \times 543 \\ \hline \end{array}$$

2 a.

$$\begin{array}{r} 5942 \\ \times 922 \\ \hline \end{array}$$

2 b.

$$\begin{array}{r} 2811 \\ \times 429 \\ \hline \end{array}$$

3 a.

$$\begin{array}{r} 9892 \\ \times 576 \\ \hline \end{array}$$

3 b.

$$\begin{array}{r} 8870 \\ \times 687 \\ \hline \end{array}$$

Answer Key

1 a. 9454404

1 b. 939933

2 a. 5478524

2 b. 1205919

3 a. 5697792

3 b. 6093690

Math Worksheet

Solve the equations.

1 a. $18 \times \underline{\hspace{2cm}} = 756$

1 b. $\underline{\hspace{2cm}} \times 36 = 396$

2 a. $\underline{\hspace{2cm}} \times 13 = 91$

2 b. $31 \times \underline{\hspace{2cm}} = 868$

3 a. $30 \times \underline{\hspace{2cm}} = 510$

3 b. $\underline{\hspace{2cm}} \times 93 = 372$

Answer Key

1 a. 42

1 b. 11

2 a. 7

2 b. 28

3 a. 17

3 b. 4

Decimals Worksheet

Solve.

1 a. $0.5 \times 4 =$ _____

1 b. $9 \times 1.8 =$ _____

2 a. $10 \times 0.1 =$ _____

2 b. $6 \times 0.4 =$ _____

3 a. $8 \times 1.5 =$ _____

3 b. $0.2 \times 4 =$ _____

4 a. $1.4 \times 3 =$ _____

4 b. $1.9 \times 7 =$ _____

5 a. $8 \times 0.2 =$ _____

5 b. $6 \times 0.9 =$ _____

6 a. $4 \times 1.9 =$ _____

6 b. $8 \times 1.3 =$ _____

7 a. $1.0 \times 10 =$ _____

7 b. $5 \times 0.7 =$ _____

8 a. $1.9 \times 9 =$ _____

8 b. $0.0 \times 2 =$ _____

9 a. $1.5 \times 5 =$ _____

9 b. $6 \times 1.9 =$ _____

10 a. $1.1 \times 5 =$ _____

10 b. $3 \times 0.7 =$ _____

Answer Key

1 a. 2

2 a. 1

3 a. 12

4 a. 4.2

5 a. 1.6

6 a. 7.6

7 a. 10

8 a. 17.1

9 a. 7.5

10 a. 5.5

1 b. 16.2

2 b. 2.4

3 b. 0.8

4 b. 13.3

5 b. 5.4

6 b. 10.4

7 b. 3.5

8 b. 0

9 b. 11.4

10 b. 2.1

Decimals Worksheet

Solve.

1 a. $10 \times 0.7 =$ _____

1 b. $8 \times 0.03 =$ _____

2 a. $0.09 \times 7 =$ _____

2 b. $5 \times 0.05 =$ _____

3 a. $0.2 \times 4 =$ _____

3 b. $0.2 \times 5 =$ _____

4 a. $4 \times 0.2 =$ _____

4 b. $0.6 \times 9 =$ _____

5 a. $0.2 \times 6 =$ _____

5 b. $7 \times 0.07 =$ _____

6 a. $0.02 \times 7 =$ _____

6 b. $8 \times 0.05 =$ _____

7 a. $6 \times 0.8 =$ _____

7 b. $1.1 \times 5 =$ _____

8 a. $0.4 \times 6 =$ _____

8 b. $0.1 \times 3 =$ _____

9 a. $0.5 \times 10 =$ _____

9 b. $8 \times 0.11 =$ _____

10 a. $0.1 \times 6 =$ _____

10 b. $2 \times 0.8 =$ _____

Answer Key

- 1 a. 7
- 2 a. 0.63
- 3 a. 0.8
- 4 a. 0.8
- 5 a. 1.2
- 6 a. 0.14
- 7 a. 4.8
- 8 a. 2.4
- 9 a. 5
- 10 a. 0.6

- 1 b. 0.24
- 2 b. 0.25
- 3 b. 1
- 4 b. 5.4
- 5 b. 0.49
- 6 b. 0.4
- 7 b. 5.5
- 8 b. 0.3
- 9 b. 0.88
- 10 b. 1.6

Decimals Worksheet

Solve.

1 a. $0.3 \times 0.03 =$ _____

1 b. $1.2 \times 0.07 =$ _____

2 a. $0.01 \times 0.1 =$ _____

2 b. $1.2 \times 0.5 =$ _____

3 a. $0.8 \times 0.3 =$ _____

3 b. $0.06 \times 1.1 =$ _____

4 a. $1.2 \times 0.2 =$ _____

4 b. $0.05 \times 1.1 =$ _____

5 a. $0.8 \times 0.4 =$ _____

5 b. $0.4 \times 0.2 =$ _____

6 a. $0.08 \times 1.2 =$ _____

6 b. $0.1 \times 0.9 =$ _____

7 a. $0.5 \times 0.8 =$ _____

7 b. $0.1 \times 0.7 =$ _____

8 a. $0.01 \times 0.8 =$ _____

8 b. $0.03 \times 0.3 =$ _____

9 a. $0.3 \times 0.8 =$ _____

9 b. $0.04 \times 0.1 =$ _____

10 a. $0.9 \times 0.07 =$ _____

10 b. $0.11 \times 0.4 =$ _____

Answer Key

1 a. 0.009

2 a. 0.001

3 a. 0.24

4 a. 0.24

5 a. 0.32

6 a. 0.096

7 a. 0.4

8 a. 0.008

9 a. 0.24

10 a. 0.063

1 b. 0.084

2 b. 0.6

3 b. 0.066

4 b. 0.055

5 b. 0.08

6 b. 0.09

7 b. 0.07

8 b. 0.009

9 b. 0.004

10 b. 0.044

Fractions Worksheet

1 a. $\frac{2}{4} \times \frac{7}{6} =$

1 b. $\frac{3}{8} \times \frac{7}{5} =$

2 a. $\frac{3}{8} \times \frac{1}{4} =$

2 b. $\frac{4}{5} \times \frac{5}{8} =$

3 a. $\frac{6}{5} \times \frac{5}{2} =$

3 b. $\frac{5}{2} \times \frac{1}{6} =$

4 a. $\frac{1}{3} \times \frac{7}{4} =$

4 b. $\frac{7}{5} \times \frac{3}{6} =$

5 a. $\frac{2}{3} \times \frac{3}{4} =$

5 b. $\frac{1}{3} \times \frac{3}{5} =$

6 a. $\frac{7}{4} \times \frac{6}{5} =$

6 b. $\frac{7}{5} \times \frac{5}{2} =$

7 a. $\frac{3}{2} \times \frac{5}{6} =$

7 b. $\frac{4}{6} \times \frac{1}{3} =$

8 a. $\frac{4}{8} \times \frac{4}{2} =$

8 b. $\frac{5}{6} \times \frac{7}{8} =$

Answer Key

1 a. $\frac{7}{12}$	1 b. $\frac{21}{40}$
2 a. $\frac{3}{32}$	2 b. $\frac{1}{2}$
3 a. 3	3 b. $\frac{5}{12}$
4 a. $\frac{7}{12}$	4 b. $\frac{7}{10}$
5 a. $\frac{1}{2}$	5 b. $\frac{1}{5}$
6 a. $2\frac{1}{10}$	6 b. $3\frac{1}{2}$
7 a. $1\frac{1}{4}$	7 b. $\frac{2}{9}$
8 a. 1	8 b. $\frac{35}{48}$

Fractions Worksheet

1 a. $3 \times \frac{5}{4} =$

1 b. $\frac{8}{3} \times 5 =$

2 a. $\frac{11}{3} \times 7 =$

2 b. $7 \times \frac{8}{7} =$

3 a. $\frac{2}{3} \times 3 =$

3 b. $\frac{3}{2} \times 9 =$

4 a. $4 \times \frac{1}{2} =$

4 b. $2 \times \frac{11}{8} =$

5 a. $6 \times \frac{7}{12} =$

5 b. $\frac{8}{3} \times 6 =$

6 a. $\frac{7}{10} \times 4 =$

6 b. $\frac{2}{3} \times 9 =$

Answer Key

1 a. $3\frac{3}{4}$	1 b. $13\frac{1}{3}$
2 a. $25\frac{2}{3}$	2 b. 8
3 a. 2	3 b. $13\frac{1}{2}$
4 a. 2	4 b. $2\frac{3}{4}$
5 a. $3\frac{1}{2}$	5 b. 16
6 a. $2\frac{4}{5}$	6 b. 6

Fractions Worksheet

1 a. $1\frac{1}{5} \times 8\frac{1}{4} =$

1 b. $6\frac{1}{3} \times 5\frac{1}{2} =$

2 a. $4\frac{1}{5} \times 2\frac{1}{2} =$

2 b. $5\frac{4}{5} \times 6\frac{2}{3} =$

3 a. $2\frac{2}{5} \times 5\frac{3}{4} =$

3 b. $6\frac{2}{5} \times 8\frac{1}{2} =$

4 a. $1\frac{3}{4} \times 4\frac{1}{3} =$

4 b. $1\frac{3}{4} \times 3\frac{1}{5} =$

5 a. $10\frac{1}{2} \times 4\frac{1}{2} =$

5 b. $3\frac{1}{3} \times 2\frac{1}{2} =$

Answer Key

1 a. $9\frac{9}{10}$	1 b. $34\frac{5}{6}$
2 a. $10\frac{1}{2}$	2 b. $38\frac{2}{3}$
3 a. $13\frac{4}{5}$	3 b. $54\frac{2}{5}$
4 a. $7\frac{7}{12}$	4 b. $5\frac{3}{5}$
5 a. $47\frac{1}{4}$	5 b. $8\frac{1}{3}$

Order of Operations Worksheet

1 a. $9 \times 3 \times 4 \div 18$

1 b. $76 \div 4 + 70 + 86$

2 a. $12 \times 11 + 2 - 46$

2 b. $68 \div 1 + 85 - 18$

3 a. $42 \div 21 + 97 - 63$

3 b. $6 + 69 + 63 \times 5$

4 a. $70 + 30 \times 7 \times 9$

4 b. $4 \times 7 \times 2 - 14$

5 a. $41 + 9 \div 9 \times 11$

5 b. $48 + 64 + 20 + 32$

Answer Key

1 a. 6	1 b. 175
2 a. 88	2 b. 135
3 a. 36	3 b. 390
4 a. 1960	4 b. 42
5 a. 52	5 b. 164

Order of Operations Worksheet

1 a. $(51 + 21) + 37 + 58$

1 b. $12 \times (5 \div 1) \times 3$

2 a. $(1 \times 6) \times 2 + 28$

2 b. $(76 + 74) \div 2 + 78$

3 a. $(90 - 25 + 100) \times 8$

3 b. $12 \times (4 \times 7) - 53$

4 a. $55 + 75 \times (7 \div 7)$

4 b. $9 \times (7 \times 8 \times 8)$

5 a. $(61 + 43 \times 3) - 52$

5 b. $4 \times (10 \div 10) \times 4$

Answer Key

1 a. 167	1 b. 180
2 a. 40	2 b. 153
3 a. 1320	3 b. 283
4 a. 130	4 b. 4032
5 a. 138	5 b. 16

Fractions Worksheet

Simplify the following fractions.

1 a. $\frac{12}{40}$

1 b. $\frac{3}{54}$

2 a. $\frac{20}{45}$

2 b. $\frac{15}{18}$

3 a. $\frac{15}{25}$

3 b. $\frac{9}{15}$

4 a. $\frac{20}{52}$

4 b. $\frac{4}{16}$

5 a. $\frac{18}{24}$

5 b. $\frac{15}{39}$

6 a. $\frac{5}{5}$

6 b. $\frac{12}{44}$

7 a. $\frac{3}{60}$

7 b. $\frac{5}{45}$

8 a. $\frac{15}{45}$

8 b. $\frac{2}{34}$

Answer Key

1 a. $\frac{3}{10}$

2 a. $\frac{4}{9}$

3 a. $\frac{3}{5}$

4 a. $\frac{5}{13}$

5 a. $\frac{3}{4}$

6 a. $\frac{1}{1}$

7 a. $\frac{1}{20}$

8 a. $\frac{1}{3}$

1 b. $\frac{1}{18}$

2 b. $\frac{5}{6}$

3 b. $\frac{3}{5}$

4 b. $\frac{1}{4}$

5 b. $\frac{5}{13}$

6 b. $\frac{3}{11}$

7 b. $\frac{1}{9}$

8 b. $\frac{1}{17}$

Decimals Worksheet

Solve.

1 a. $8 - 7.1 = \underline{\quad}$

1 b. $2 - 0.3 = \underline{\quad}$

2 a. $5.1 - 2 = \underline{\quad}$

2 b. $9 - 1.3 = \underline{\quad}$

3 a. $9 - 4.9 = \underline{\quad}$

3 b. $7.2 - 7 = \underline{\quad}$

4 a. $4 - 3.6 = \underline{\quad}$

4 b. $8.5 - 8 = \underline{\quad}$

5 a. $5.8 - 1 = \underline{\quad}$

5 b. $9 - 3.5 = \underline{\quad}$

6 a. $7.7 - 1 = \underline{\quad}$

6 b. $7.4 - 1 = \underline{\quad}$

7 a. $10 - 2.6 = \underline{\quad}$

7 b. $9.6 - 7 = \underline{\quad}$

8 a. $9.3 - 6 = \underline{\quad}$

8 b. $6.8 - 6 = \underline{\quad}$

9 a. $8 - 0.0 = \underline{\quad}$

9 b. $7 - 6.9 = \underline{\quad}$

10 a. $10 - 8.4 = \underline{\quad}$

10 b. $5 - 1.1 = \underline{\quad}$

Answer Key

- 1 a. 0.9
- 2 a. 3.1
- 3 a. 4.1
- 4 a. 0.4
- 5 a. 4.8
- 6 a. 6.7
- 7 a. 7.4
- 8 a. 3.3
- 9 a. 8
- 10 a. 1.6

- 1 b. 1.7
- 2 b. 7.7
- 3 b. 0.2
- 4 b. 0.5
- 5 b. 5.5
- 6 b. 6.4
- 7 b. 2.6
- 8 b. 0.8
- 9 b. 0.1
- 10 b. 3.9

Decimals Worksheet

Solve.

1 a. $5 - 1.8 = \underline{\quad}$

1 b. $1.9 - 0 = \underline{\quad}$

2 a. $1 - 0.2 = \underline{\quad}$

2 b. $3.6 - 0.4 = \underline{\quad}$

3 a. $5 - 1.1 = \underline{\quad}$

3 b. $9.4 - 0.6 = \underline{\quad}$

4 a. $1.6 - 1 = \underline{\quad}$

4 b. $10 - 1.4 = \underline{\quad}$

5 a. $2.8 - 2 = \underline{\quad}$

5 b. $3 - 2.4 = \underline{\quad}$

6 a. $2.5 - 2 = \underline{\quad}$

6 b. $8.7 - 1.8 = \underline{\quad}$

7 a. $5.1 - 2.7 = \underline{\quad}$

7 b. $9.0 - 0.7 = \underline{\quad}$

8 a. $2 - 1.6 = \underline{\quad}$

8 b. $1 - 0.3 = \underline{\quad}$

9 a. $6.7 - 1.8 = \underline{\quad}$

9 b. $9 - 0.2 = \underline{\quad}$

10 a. $9.6 - 1.6 = \underline{\quad}$

10 b. $7 - 2.5 = \underline{\quad}$

Answer Key

1 a. 3.2

2 a. 0.8

3 a. 3.9

4 a. 0.6

5 a. 0.8

6 a. 0.5

7 a. 2.4

8 a. 0.4

9 a. 4.9

10 a. 8

1 b. 1.9

2 b. 3.2

3 b. 8.8

4 b. 8.6

5 b. 0.6

6 b. 6.9

7 b. 8.3

8 b. 0.7

9 b. 8.8

10 b. 4.5

Decimals Worksheet

Solve.

1 a. $1.6 + 0.9 + 4.1 = \underline{\quad}$

1 b. $0.4 + 6.7 + 0.6 = \underline{\quad}$

2 a. $7.6 - 1.9 - 1 = \underline{\quad}$

2 b. $7.0 - 3.3 - 2.1 = \underline{\quad}$

3 a. $6.5 - 2.3 - 3.6 = \underline{\quad}$

3 b. $2.4 - 0.6 - 1.2 = \underline{\quad}$

4 a. $6 - 0.5 - 3.3 = \underline{\quad}$

4 b. $7.5 + 0.7 + 0.1 = \underline{\quad}$

5 a. $3.0 - 0.5 - 1.4 = \underline{\quad}$

5 b. $6.5 - 0.1 - 1.5 = \underline{\quad}$

6 a. $3.5 + 1.1 + 6.1 = \underline{\quad}$

6 b. $2.8 + 2.8 + 0.7 = \underline{\quad}$

7 a. $8 - 3.8 - 1.1 = \underline{\quad}$

7 b. $3.7 + 6.2 + 4.7 = \underline{\quad}$

8 a. $4 + 1.5 + 3 = \underline{\quad}$

8 b. $9 - 1.6 - 3.8 = \underline{\quad}$

9 a. $4.3 + 2.3 + 7.5 = \underline{\quad}$

9 b. $0.4 + 1.3 + 2.2 = \underline{\quad}$

10 a. $5.0 + 2.9 + 7.5 = \underline{\quad}$

10 b. $7.0 - 1.4 - 3.8 = \underline{\quad}$

Answer Key

1 a. 6.6
2 a. 4.7
3 a. 0.6
4 a. 2.2
5 a. 1.1
6 a. 10.7
7 a. 3.1
8 a. 8.5
9 a. 14.1
10 a. 15.4

1 b. 7.7
2 b. 1.6
3 b. 0.6
4 b. 8.3
5 b. 4.9
6 b. 6.3
7 b. 14.6
8 b. 3.6
9 b. 3.9
10 b. 1.8

Decimals Worksheet

Solve.

1 a. $8.19 - 1.80 = \underline{\hspace{2cm}}$

1 b. $3.47 - 1.16 = \underline{\hspace{2cm}}$

2 a. $7.13 - 2.63 = \underline{\hspace{2cm}}$

2 b. $8.7 - 0.4 = \underline{\hspace{2cm}}$

3 a. $4.2 - 1.8 = \underline{\hspace{2cm}}$

3 b. $7.57 - 2.64 = \underline{\hspace{2cm}}$

4 a. $1.28 - 0.91 = \underline{\hspace{2cm}}$

4 b. $2.1 - 2.1 = \underline{\hspace{2cm}}$

5 a. $8.8 - 0.3 = \underline{\hspace{2cm}}$

5 b. $6.7 - 2.30 = \underline{\hspace{2cm}}$

6 a. $6.18 - 2.73 = \underline{\hspace{2cm}}$

6 b. $8.0 - 2.1 = \underline{\hspace{2cm}}$

7 a. $6.3 - 0.5 = \underline{\hspace{2cm}}$

7 b. $2.22 - 1.9 = \underline{\hspace{2cm}}$

8 a. $0.9 - 0.25 = \underline{\hspace{2cm}}$

8 b. $2.5 - 2.15 = \underline{\hspace{2cm}}$

9 a. $2.33 - 0.14 = \underline{\hspace{2cm}}$

9 b. $0.8 - 0.2 = \underline{\hspace{2cm}}$

10 a. $0.34 - 0.0 = \underline{\hspace{2cm}}$

10 b. $2.8 - 0.08 = \underline{\hspace{2cm}}$

Answer Key

1 a. 6.39

2 a. 4.5

3 a. 2.4

4 a. 0.37

5 a. 8.5

6 a. 3.45

7 a. 5.8

8 a. 0.65

9 a. 2.19

10 a. 0.34

1 b. 2.31

2 b. 8.3

3 b. 4.93

4 b. 0

5 b. 4.4

6 b. 5.9

7 b. 0.32

8 b. 0.35

9 b. 0.6

10 b. 2.72

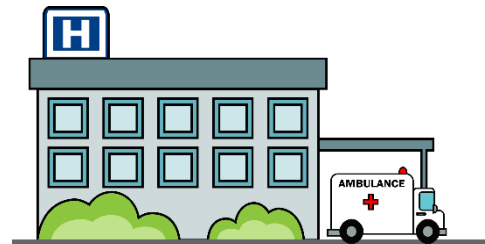
Mixed operations word problems

Grade 5 Word Problems Worksheets

Read and answer each question:

A hospital has 12 floors. On each floor, there are 294 beds. The hospital employs 196 doctors, 1,772 nurses and 830 supporting staff.

1. There are 8 wards on each floor and each ward has the same number of beds. There are a few extra beds on each floor for emergency use. How many extra beds are there on each floor?
2. If there are the same number of beds on each floor, what is the maximum number of patients that can stay in the hospital?
3. What is the total number of staff members employed by the hospital?
4. On a Saturday afternoon, 54 doctors and 597 nurses are on duty in the hospital. How many nurses are off duty?
5. During each shift, there are 7 nurses needed at each ward. If there are three shifts in a day, each nurse only can be on duty for one shift each day. How many more nurses does the hospital need to employ?
6. Write an equation using “ x ” and then solve the equation.
Each support staff is paid $\$x$ per shift and each doctor is paid $\$150$ more than each support staff. During a shift with 22 doctors and 71 supporting staff, the total salary is $\$26,565$.



Answers

- $294 \div 8 = 36R6$
There are 6 extra beds on each floor.
- $294 \times 12 = 3,528$
The maximum number of patients that can stay in the hospital is 3,528.
- $196 + 1,772 + 830 = 2,798$
There are 2,798 staff members employed by the hospital.
- $1,772 - 597 = 1,175$
1,175 nurses are off duty.
- $7 \times 8 \times 12 = 672$
672 nurses are needed for each shift.
 $672 \times 3 - 1,772 = 244$
The hospital needs to employ 244 more nurses.
- $22(x+150) + 71x = 26,565$
 $22x + 3300 + 71x = 26,565$
 $93x = 23,565$
 $x = 250.16$
Each support staff is paid \$250.16 per shift.

Fractions – mixed practice word problems

Grade 5 Word Problems Worksheet

Read and answer each question.

1. Of the 95 children in 6th grade, $\frac{3}{5}$ went to holiday parties. How many students went to holiday parties in all?
2. Amy has 72 sweets in a bag. She keeps $\frac{1}{4}$ of them for herself and shares the rest with friends. How many sweets will she give to her friends?
3. A train arrives at the station with 150 passengers on board. $\frac{2}{5}$ of the passengers get off the train in Seattle, and then 35 passengers board the train. How many passengers are on the train when it leaves the station?
4. 30 people watched the soccer game last night. Tickets cost \$2.75 each. Half of these fans bought a program at \$1.50 each. How much money was collected?
5. Dean buys 25 stickers on Monday and 17 on Tuesday, On Wednesday he gives $\frac{1}{6}$ of his stickers to Jack. How many does he have left?
6. On six book shelves there are 72 books per shelf. How many books are there altogether? If $\frac{1}{3}$ of these are non-fiction, how many fictional books are there?
7. Of 100 children in Grades 5 and 6, three-quarters have pets; 40 children have a dog, and 18 children have a cat. How many children have other kinds of pets?
8. Steven says “I would rather have $\frac{5}{9}$ of \$72 than $\frac{4}{6}$ because I will get more to spend.” Is he correct?

Answers:

- $95 \times \frac{3}{5} = 57$
57 students went to holiday parties.
- She keeps $72 \times \frac{1}{4} = 18$ sweets. She gives away $72 - 18 = 54$ sweets.
She gives away 54 sweets.
- $150 \times \frac{2}{5} = 60$ people get off. $150 - 60 + 35 = 125$
125 passengers are on board the train when it leaves the station.
- $30 \times 2.75 = 82.50$ collected for tickets.
 $\frac{1}{2}$ of the people bought a program, so $30 \times \frac{1}{2} = 15$ bought programs.
 $15 \times 1.50 = 22.50$ collected for programs
 $82.50 + 22.50 = 105$
They collected \$105.
- $25 + 17 = 42$ total stickers. He gave away $42 \times \frac{1}{6} = 7$.
 $42 - 7 = 35$
He has 35 stickers left.
- $6 \times 72 = 432$ books total.
 $432 \times \frac{1}{3} = 144$ non-fiction. $432 - 144 = 288$
There are 288 fictional books.
- $100 \times \frac{3}{4} = 75$, so 75 children have pets. $75 - 40 - 18 = 17$
17 children have other kinds of pets.
- $72 \times \frac{5}{9} = 40$.
 $72 \times \frac{4}{6} = 48$
He is wrong because $\frac{4}{6}$ would give him \$48 instead of \$40.

Decimals word problems

Grade 5 Word Problems Worksheets

Read and answer each question:

At a customer service center, a short call is defined as any call that is shorter than 5.5 minutes. The average call time on weekdays is 6.4 minutes. The average call time on weekends is 9.38 minutes.

1. What is the difference between the average call time on weekdays and weekends?
2. On a particular call the customer spoke to one representative for 2.4 minutes and then was transferred to a manager for another 2.9 minutes. Is this call a short call?
3. If a call received on a Sunday is 12.45 minutes longer than the average time, how long is that call?
4. On a Monday, each customer service representative received 8.7 calls per hour. What is the average time spent on calls per hour for each staff?
5. The time that is not spent on making calls is the break time for the representative. What is the break time in a 3-hour shift on this Monday?
6. Each customer service representative is paid \$12.15 per hour. How much is each representative paid for each 6-hour shift?



Answers

- $9.38 - 6.4 = 2.98$
The difference between the average call time on weekdays and weekends is 2.98 minutes.
- $2.4 + 2.9 = 5.3$
 $5.3 < 5.5$
This call is a short call.
- $12.45 + 9.38 = 21.83$
The call is 21.83 minutes long.
- $8.7 \times 6.4 = 55.68$
The time spent on calls per hour for each representative is 55.68 minutes.
- $(60 - 55.68) \times 3 = 12.96$
The break time in the 3-hour shift was 12.96 minutes.
- $12.15 \times 6 = 72.9$
Each representative is paid \$72.90 for each 6 hour-shift.

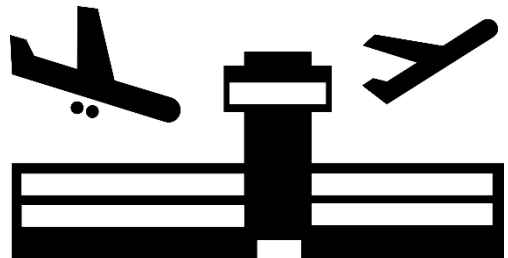
Mixed operations word problems

Grade 5 Word Problems Worksheet

Read and answer each question:

During a normal day, there are 280 planes taking off from the airport, but the airport is a lot busier during Christmas. During the Christmas holidays, about 336 planes take off every day from the airport.

1. During the Christmas holidays, the airport opens 12 hours during each day, how many planes take off from this airport in each hour?
2. In average, each plane takes 240 passengers and 12 tons of cargo. How many passengers depart from the airport every hour during the Christmas holidays?
3. Compared with a normal day, how many more passengers depart from the airport in a day during the Christmas holidays?
4. During a normal day, there are 782 passengers in average that are late for their plane each day. However, during the Christmas holidays, there are 1,835 passengers that are late for their planes each day which caused delays of 14 planes. How many more passengers are late for their planes in each day during the Christmas holidays?
5. The airport administration did a study and found that an additional 5 minutes of delay in the overall operation of the airport is caused for every 32 passengers that are late for their flights. What is the delay in the overall operation if there are 832 passengers late for their flights?
6. Write an equation using “x” and then solve the equation.
On the New Year Eve, there were 7,580 tons of cargo loaded in the morning. In the afternoon, there were x tons of cargos. The total weight of cargos loaded on the day weighed 12,997 tons.



Answers

- $336 \div 12 = 28$
28 planes take off from this airport each hour during the Christmas holidays.
- $28 \times 240 = 6,720$
6,720 passengers depart from the airport every hour.
- $(336 - 280) \times 240 = 13,440$
13,440 more passengers depart from the airport in a day during the Christmas holidays.
- $1,835 - 782 = 1,053$ passengers
1,053 more passengers are late for their planes in each day during the Christmas holidays
- $832 \div 32 \times 5 = 130$
There will be a delay of 130 minutes in the overall operation of the airport.
- $7,580 + x = 12,997$
 $x = 5,417$

Mixed operations word problems

Grade 5 Word Problems Worksheets

Read and answer each question:

A stadium has 10,500 seats and 8 VIP boxes. The stadium is divided into 12 equal sections: 2 premium sections and 10 standard sections. A seat at the premium section costs \$48 per game. A seat at the standard section costs \$27 per game.

1. How many seats are there in each section?
2. If there are 35 seats in each row, how many rows are in each section?
3. If all the seats in the premium section are sold out for a game, how much will the stadium get from those ticket sales?
4. There are 50 games in each season. A season pass costs \$2,040. A season pass holder can go to all the games and have a seat in the premium section. How much can a fan save by buying the season pass?
5. For the night game on Tuesday, 8,395 tickets were sold. How many tickets were left?
6. Write an equation using "x" and then solve the equation. Each VIP boxes can seat X people. If all the seats and VIP boxes are filled up, there are 10,628 audience in the stadium.



Answers

- $10,500 \div 12 = 875$
There are 875 seats in each section.
- $875 \div 35 = 25$
There are 25 rows in each section.
- $875 \times 2 \times 48 = 84,000$
The stadium will get \$84,000 from ticket sales.
- $50 \times 48 - 2,040 = 360$
A fan can save \$360 by buying the season pass.
- $10,500 - 8,395 = 2,105$
There were 2,105 tickets left.
- $10,500 + 8x = 10,628$
 $8x = 128$
 $x = 16$

Mixed operations word problems

Grade 5 Word Problems Worksheets

Read and answer each question:

A library has 3,489 non-fiction books, 8,617 fiction books and 1,240 reference books.

1. All books, except the reference books, are available for loan. How many books are available for loan?
2. Reference books are for use in the library. There are 16 bookshelves for the reference books. After use, they need to be returned to a special collection box for shelving. If 128 reference books are in use and 84 reference books are in the collection box, how many reference books are on the shelf?
3. Each patron pays an annual fee of \$36 to the library. If the library collects \$20,304 from the annual fee, how many patrons are there?
4. Each patron can borrow up to 6 books. If all the patrons are currently holding on to 6 books each, how many books are left in the library?
5. Each patron can borrow the books for 2 weeks and renew the loan twice. What is the maximum number of days can a patron keep the books he borrowed from the library?
6. Write an equation using “x” and then solve the equation. The late fee for each day is \$2. A patron paid \$72 for x books that are overdue for 9 days.



Answers

1. $3,489 + 8,617 = 12,106$
There are 12,106 books available for loan.
2. $1,240 - 128 - 84 = 1,028$
There are 1,028 reference books on the shelf.
3. $20,304 \div 36 = 564$
There are 564 patrons.
4. $3,489 + 8,617 + 1,240 - 564 \times 6 = 9,962$
There are 9,962 books left in the library.
5. $2 \times 3 \times 7 = 42$
A patron can keep the books for 42 days.
6. $2(9x) = 72$
 $18x = 72$
 $x = 4$

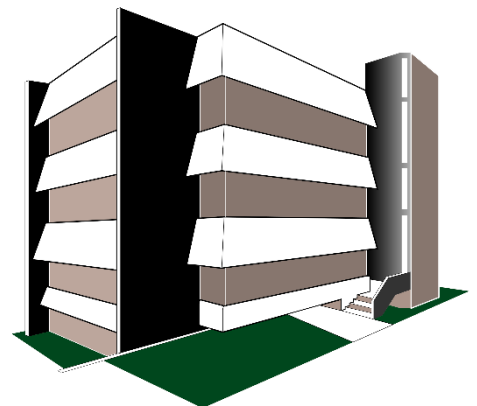
Mixed operations word problems

Grade 5 Word Problems Worksheets

Read and answer each question:

A multi level parking lot has 6 levels and there are total of 1,327 parking spots.

1. There are 162 parking spots on the first level. The rest of the parking spots are distributed equally on the other 5 levels. How many parking spots are there on the top level?
2. There are 12 spots close to the 3 elevators reserved for drivers with disabilities on each level. How many parking spots are reserved for drivers with disability altogether?
3. Other than the spots reserved for drivers with disability, there are 285 parking spots for monthly rental and the rest are for hourly parking. How many spots are there for hourly parking?
4. The daily parking rate is \$30. If Jack parks his car for 5 days a week and 4 weeks in a month, how much does he pay for parking in a year?
5. There were 816 cars parked in the parking lot on Monday morning. At lunch time, 91 cars left the lot. After lunch, 135 cars came back to the parking lot. How many parking spots were left on Monday afternoon?
6. Write an equation using “x” and then solve the equation.
The hourly rate is \$x. If each car parks at the lot for 7 hours per day and all the parking spots are taken up, the parking lot can receive \$27,867 in a day.



Answers

1. $(1,327 - 162) \div 5 = 233$
There are 233 parking spots on the top level.
2. $12 \times 6 = 72$
There are 72 parking spots reserved for drivers with disability.
3. $1,327 - 72 - 285 = 970$
There are 982 spots are for hourly parking.
4. $30 \times 5 \times 4 \times 12 = 7,200$
Jack pays \$7,200 for parking in a week.
5. $1,327 - (816 - 91 + 135) = 467$
There are 467 parking spots left on Monday afternoon.
6. $1327(7x) = 27,867$
 $7x = 21$
 $x = 3$
The hourly rate is \$3.

Fractions/Decimals Worksheet

Write the following decimals as fractions.

1 a. $0.81 =$

1 b. $0.3 =$

2 a. $0.59 =$

2 b. $0.66 =$

3 a. $0.62 =$

3 b. $0.8 =$

4 a. $0.36 =$

4 b. $0.65 =$

5 a. $0.6 =$

5 b. $0.24 =$

6 a. $0.5 =$

6 b. $0.99 =$

7 a. $0.2 =$

7 b. $0.49 =$

8 a. $0.19 =$

8 b. $0.26 =$

Answer Key

The decimal expansion of the fractions where the denominator is not a power of ten nor one of the 'easy' numbers has been rounded to 8 decimals, so it may or may not show the repeating pattern for non-terminating decimals, and it may or may not show all the decimal digits for terminating decimals.

1 a. $0.81 = \frac{81}{100}$

1 b. $0.3 = \frac{3}{10}$

2 a. $0.59 = \frac{59}{100}$

2 b. $0.66 = \frac{66}{100}$

3 a. $0.62 = \frac{62}{100}$

3 b. $0.8 = \frac{8}{10}$

4 a. $0.36 = \frac{36}{100}$

4 b. $0.65 = \frac{65}{100}$

5 a. $0.6 = \frac{60}{100}$

5 b. $0.24 = \frac{24}{100}$

6 a. $0.5 = \frac{5}{10}$

6 b. $0.99 = \frac{99}{100}$

7 a. $0.2 = \frac{20}{100}$

7 b. $0.49 = \frac{49}{100}$

8 a. $0.19 = \frac{19}{100}$

8 b. $0.26 = \frac{26}{100}$

Fractions/Decimals Worksheet

Write the following decimals as fractions.

1 a. $0.92 =$

1 b. $0.858 =$

2 a. $0.42 =$

2 b. $0.738 =$

3 a. $0.318 =$

3 b. $0.545 =$

4 a. $0.75 =$

4 b. $0.546 =$

5 a. $0.7 =$

5 b. $0.158 =$

6 a. $0.619 =$

6 b. $0.54 =$

7 a. $0.17 =$

7 b. $0.45 =$

8 a. $0.722 =$

8 b. $0.5 =$

Answer Key

The answers are not in simplified form.

$$1 \text{ a. } 0.92 = \frac{92}{100}$$

$$1 \text{ b. } 0.858 = \frac{858}{1000}$$

$$2 \text{ a. } 0.42 = \frac{42}{100}$$

$$2 \text{ b. } 0.738 = \frac{738}{1000}$$

$$3 \text{ a. } 0.318 = \frac{318}{1000}$$

$$3 \text{ b. } 0.545 = \frac{545}{1000}$$

$$4 \text{ a. } 0.75 = \frac{75}{100}$$

$$4 \text{ b. } 0.546 = \frac{546}{1000}$$

$$5 \text{ a. } 0.7 = \frac{7}{10}$$

$$5 \text{ b. } 0.158 = \frac{158}{1000}$$

$$6 \text{ a. } 0.619 = \frac{619}{1000}$$

$$6 \text{ b. } 0.54 = \frac{54}{100}$$

$$7 \text{ a. } 0.17 = \frac{17}{100}$$

$$7 \text{ b. } 0.45 = \frac{45}{100}$$

$$8 \text{ a. } 0.722 = \frac{722}{1000}$$

$$8 \text{ b. } 0.5 = \frac{5}{10}$$

Fractions/Decimals Worksheet

Write the following fractions as decimals.

1 a. $\frac{3}{10} =$

1 b. $\frac{11}{100} =$

2 a. $\frac{19}{100} =$

2 b. $\frac{2}{10} =$

3 a. $\frac{95}{100} =$

3 b. $\frac{75}{100} =$

4 a. $\frac{6}{100} =$

4 b. $\frac{51}{100} =$

5 a. $\frac{83}{100} =$

5 b. $\frac{35}{100} =$

6 a. $\frac{32}{100} =$

6 b. $\frac{4}{10} =$

7 a. $\frac{7}{10} =$

7 b. $\frac{7}{100} =$

8 a. $\frac{80}{100} =$

8 b. $\frac{5}{10} =$

9 a. $\frac{54}{100} =$

9 b. $\frac{77}{100} =$

10 a. $\frac{12}{100} =$

10 b. $\frac{1}{10} =$

Answer Key

The answers have been simplified if the denominator is less than or equal to 1000.

1 a. $\frac{3}{10} = 0.3$

1 b. $\frac{11}{100} = 0.11$

2 a. $\frac{19}{100} = 0.19$

2 b. $\frac{2}{10} = 0.2$

3 a. $\frac{95}{100} = 0.95$

3 b. $\frac{75}{100} = 0.75$

4 a. $\frac{6}{100} = 0.06$

4 b. $\frac{51}{100} = 0.51$

5 a. $\frac{83}{100} = 0.83$

5 b. $\frac{35}{100} = 0.35$

6 a. $\frac{32}{100} = 0.32$

6 b. $\frac{4}{10} = 0.4$

7 a. $\frac{7}{10} = 0.7$

7 b. $\frac{7}{100} = 0.07$

8 a. $\frac{80}{100} = 0.8$

8 b. $\frac{5}{10} = 0.5$

9 a. $\frac{54}{100} = 0.54$

9 b. $\frac{77}{100} = 0.77$

10 a. $\frac{12}{100} = 0.12$

10 b. $\frac{1}{10} = 0.1$



Happy
Holidays!