MATHTASTIC

Exercise Worksheets

Contents

Adding Whole Numbers

Add.

1
$$\begin{array}{r} 47 \\ + 32 \\ \hline \end{array}$$

5
$$\begin{array}{r} 678 \\ + 426 \\ \hline \end{array}$$

9
$$\begin{array}{r} 4389 \\ 3377 \\ + 1689 \\ \hline \end{array}$$

2
$$\begin{array}{r} 8 \\ 5 \\ + 1 \\ \hline \end{array}$$

6
$$\begin{array}{r} 2846 \\ + 1635 \\ \hline \end{array}$$

10
$$\begin{array}{r} 24{,}592 \\ + 46{,}268 \\ \hline \end{array}$$

3
$$\begin{array}{r} 72 \\ 94 \\ + 3 \\ \hline \end{array}$$

7
$$\begin{array}{r} 2504 \\ 4241 \\ + 2173 \\ \hline \end{array}$$

11
$$\begin{array}{r} 587{,}938 \\ + 629{,}777 \\ \hline \end{array}$$

4
$$\begin{array}{r} 25 \\ + 57 \\ \hline \end{array}$$

8
$$\begin{array}{r} 96 \\ 5748 \\ + 482 \\ \hline \end{array}$$

12
$$\begin{array}{r} 99{,}763{,}500 \\ + 2{,}827{,}449 \\ \hline \end{array}$$

Subtract.

| 1 | 47
- 5 | 5 | 35
- 8 | 9 | 776
- 498 |

| 2 | 95
- 31 | 6 | 652
- 251 | 10 | 1904
- 625 |

| 3 | 68
- 62 | 7 | 821
- 507 | 11 | 70,801
- 62,762 |

| 4 | 87
- 20 | 8 | 493
- 37 | 12 | 1,344,192
- 804,663 |

Multiply.

1
```
  72
x  4
____
```

2
```
  39
x  6
____
```

3
```
  81
x 57
____
```

4
```
  46
x 72
____
```

5
```
 205
x 34
____
```

6
```
 376
x 18
____
```

7
```
 800
x 30
____
```

8
```
 493
x 67
____
```

9
```
 776
x 98
____
```

10
```
 2309
x 278
_____
```

11
```
 3650
x 400
_____
```

12
```
 79,248
x    589
_____
```

Divide. Round your answer to the hundredths place.

| 1 | $3\overline{)156}$ | 5 | $4\overline{)1289}$ | 9 | $28\overline{)770}$ |

| 2 | $7\overline{)588}$ | 6 | $9\overline{)2230}$ | 10 | $289\overline{)5801}$ |

| 3 | $6\overline{)39}$ | 7 | $36\overline{)1620}$ | 11 | $325\overline{)6344}$ |

| 4 | $5\overline{)128}$ | 8 | $61\overline{)427}$ | 12 | $76\overline{)30,027}$ |

Worksheet #5   **Order of Operations & Exponents**

Write in exponent form.

1   8 x 8 x 8 x 8 x 8

2   267 x 267

3   1 x 1 x 1 x 1 x 1

4   85

Find the value.

5   2^5

6   10^3

7   16^1

8   37^0

Calculate.

9   3^2 + 6 - 2 x 7

10   7 x (4^3 - 6) $\div$ 2

11   $2^4 \div 2^3$ x 3^5

12   124 - 3 x (7 + 5^2)

13   20 $\div$ 5 x 2 - (6 + 2) x 7

Identify which of the following are improper fractions.

1   a) $\frac{21}{2}$ b) $\frac{4}{5}$ c) $\frac{83}{126}$ d) $\frac{7}{6}$

Change the mixed numbers to improper fractions.

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

3 $6\frac{11}{17}$

4 $12\frac{8}{45}$

5 $9\frac{3}{61}$

6 $87\frac{41}{69}$

Change the improper fractions to mixed numbers.

7 $\frac{8}{3}$

8 $\frac{10}{7}$

9 $\frac{56}{17}$

10 $\frac{132}{11}$

11 $\frac{94}{93}$

Find all of the factors.

1   6

2   7

3   45

4   20

Identify which of the following numbers are prime:

5   a) 14   b) 4   c) 11   d) 9   e) 3   f) 17

Find the prime factorization. Use exponents when applicable.

6   12

7   60

8   18

9   33

10   105

11   125

12   42

Find the LCM.

1   2 and 5

2   2, 3 and 4

3   8 and 10

4   6 and 8

5   9 and 30

6   3, 5, and 6

7   2, 6, 8 and 12

8   3, 4 and 5

9   5, 15 and 20

10   40 and 180

11   108 and 72

12   6, 8 and 36

Simplifying Fractions

Simplify to lowest terms.

1 $\dfrac{3}{18}$

2 $\dfrac{15}{25}$

3 $\dfrac{6}{8}$

4 $\dfrac{37}{37}$

5 $\dfrac{66}{99}$

6 $\dfrac{35}{42}$

7 $\dfrac{100}{1000}$

8 $\dfrac{50}{1000}$

9 $\dfrac{7}{341}$

10 $2\dfrac{6}{30}$

11 $\dfrac{36}{12}$

12 $4\dfrac{29}{29}$

Adding & Subtracting Fractions

Add or subtract as indicated. Reduce to lowest terms.

1 $\dfrac{12}{17} + \dfrac{3}{17}$

2 $\dfrac{11}{12} + \dfrac{1}{12}$

3 $\dfrac{7}{10} + \dfrac{2}{10} + \dfrac{8}{10}$

4 $\dfrac{1}{2} + \dfrac{2}{3}$

5 $\dfrac{3}{8} + \dfrac{1}{2}$

6 $\dfrac{5}{6} + \dfrac{1}{4}$

7 $\dfrac{8}{11} - \dfrac{5}{11}$

8 $\dfrac{7}{16} - \dfrac{5}{16}$

9 $\dfrac{7}{9} - \dfrac{2}{3}$

10 $\dfrac{2}{3} - \dfrac{1}{6}$

11 $\dfrac{47}{50} - \dfrac{3}{10}$

12 $\dfrac{1}{2} - \dfrac{1}{5}$

Add or subtract as indicated. Reduce to lowest terms.

1 $1\frac{1}{3}$ + $2\frac{1}{3}$

7 $2\frac{2}{3}$ - $\frac{1}{3}$

2 $3\frac{7}{8}$ + $1\frac{5}{8}$

8 $6\frac{1}{2}$ - 3

3 $22\frac{16}{17}$ + 4

9 10 - $3\frac{2}{3}$

4 $16\frac{3}{10}$ + $5\frac{9}{100}$

10 $9\frac{3}{8}$ - $5\frac{5}{6}$

5 $2\frac{3}{5}$ + $\frac{9}{10}$

11 $1\frac{1}{2}$ - $\frac{7}{10}$

6 $5\frac{1}{4}$ + $3\frac{5}{8}$ + $2\frac{1}{2}$

12 $2\frac{1}{2}$ - $1\frac{3}{4}$

Multiply. Reduce to lowest terms.

1 $\dfrac{1}{2}$ x $\dfrac{3}{4}$

2 $\left(\dfrac{5}{9}\right)\left(\dfrac{3}{10}\right)$

3 $\dfrac{15}{4}$ • $\dfrac{12}{5}$

4   6 x $\dfrac{2}{3}$

5 $\left(\dfrac{3}{16}\right)(8)$

6 $\left(\dfrac{3}{5}\right)^{2}$

7 $3\dfrac{7}{8}$ • $\dfrac{5}{6}$

8 $\left(2\dfrac{1}{2}\right)\left(3\dfrac{1}{5}\right)$

9 $\left(1\dfrac{1}{2}\right)^{3}$

10 $5\dfrac{5}{9}$ x $2\dfrac{16}{25}$

Worksheet #13   Dividing Fractions

Divide. Reduce to lowest terms.

1 $\dfrac{1}{2} \div \dfrac{4}{5}$

2 $\dfrac{4}{5} \div \dfrac{1}{2}$

3 $\dfrac{3}{10} \div \dfrac{9}{10}$

4 $\dfrac{3}{5} \div 6$

5 $7 \div \dfrac{1}{7}$

6 $1 \div \dfrac{1}{8}$

7 $5 \div \dfrac{2}{3}$

8 $6\dfrac{2}{5} \div 20$

9 $2\dfrac{3}{4} \div \dfrac{22}{25}$

10 $3\dfrac{4}{5} \div 1\dfrac{2}{15}$

Find the equivalent fraction. Reduce to lowest terms.

| 1 | 0.3 |

| 2 | 0.8 |

| 3 | 0.5 |

| 4 | 3.2 |

| 5 | 0.41 |

| 6 | 18.25 |

| 7 | 0.108 |

| 8 | 1.001 |

| 9 | 4.0012 |

| 10 | 89.3205 |

Add or subtract as indicated.

| 1 | 1.1 + 2.8 |

| 2 | 3.5 + 6.14 |

| 3 | 9.242 + 0.87 |

| 4 | 1.306 + 5.5 + 46.77 |

| 5 | 2.01 + 8 + 0.593 |

| 6 | 0.9 - 0.2 |

| 7 | 12.66 - 3.41 |

| 8 | 35.87 - 10.2 |

| 9 | 40.4 - 6.37 |

| 10 | 28 - 15.59 |

Multiply.

1	0.7		6	702 • 3.19

1
$$\begin{array}{r} 0.7 \\ \times\ 0.4 \\ \hline \end{array}$$

6 702 • 3.19

2
$$\begin{array}{r} 0.12 \\ \times\ \ 0.6 \\ \hline \end{array}$$

7 (1.504) (1000)

3
$$\begin{array}{r} 31.002 \\ \times\ \ 9 \\ \hline \end{array}$$

8 $(0.5)^2$

4
$$\begin{array}{r} 0.63 \\ \times\ 100 \\ \hline \end{array}$$

9 3.4 x 10

5
$$\begin{array}{r} 0.0085 \\ \times\ 0.044 \\ \hline \end{array}$$

10 6.22701 • 0.018

Divide. Round your answer
to the hundredths place.

Write as an equivalent decimal.
Round to the thousandths place.

1    $9\overline{)211.5}$

6    $\frac{7}{8}$

2    $0.2\overline{).31}$

7    $\frac{5}{21}$

3    $4.6\overline{)58}$

8    $\frac{9}{10}$

4    $1.632 \div 0.08$

9    $\frac{43}{57}$

5    $8.709 \div 100$

10    $\frac{81}{20}$

Write each ratio as a fraction in lowest terms.

| 1 | 30 feet to 60 feet |

| 2 | 45 mph to 25 mph |

| 3 | 6 minutes to 16 minutes |

| 4 | $300 to $450 |

Write each rate as a fraction in lowest terms.

| 5 | 48 gallons in 14 mins |

| 6 | 21 females to 51 males |

| 7 | $4.20 for 36 potatoes |

| 8 | 72 correct answers out of 96 questions |

Find the unit rate.

| 9 | 1500 meters in 6 seconds |

| 10 | 192 miles per 6 gallons. |

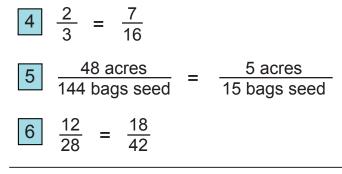| 11 | 5 cars for 20 people |

| 12 | $36 for 4 lbs of shrimp |

Write each proportion.

1 48 is to 32 as 3 is to 2.

2 6 adults is to 10 children as 18 adults is to 30 children.

3 If 12 pens cost $4, then 33 pens will cost $11.

Determine if each proportion is true or false:

4 $\dfrac{2}{3} = \dfrac{7}{16}$

5 $\dfrac{48 \text{ acres}}{144 \text{ bags seed}} = \dfrac{5 \text{ acres}}{15 \text{ bags seed}}$

6 $\dfrac{12}{28} = \dfrac{18}{42}$

Solve each proportion to find the value of "x".

7 $\dfrac{3}{6} = \dfrac{x}{8}$

8 $\dfrac{52}{x} = \dfrac{4}{1}$

9 $\dfrac{15}{12} = \dfrac{10}{x}$

10 $\dfrac{18}{x} = \dfrac{2.4}{28}$

11 $\dfrac{3}{4} = \dfrac{x}{3.8}$

12 $\dfrac{x}{12} = \dfrac{2\frac{1}{3}}{5}$

Write each percent as a fraction or mixed number. Simplify.

1 21%

2 5%

3 14%

4 130%

5 $12\frac{1}{2}$ %

Write each percent as a decimal.

6 47%

7 26.3%

8 219%

9 .02%

10 $3\frac{1}{2}$ %

Write each decimal as a percent.

11 0.33

12 0.04

13 2.51

14 6.8

15 3

Write each fraction as a percent.

16 $\frac{3}{4}$

17 $\frac{2}{5}$

18 $\frac{1}{10}$

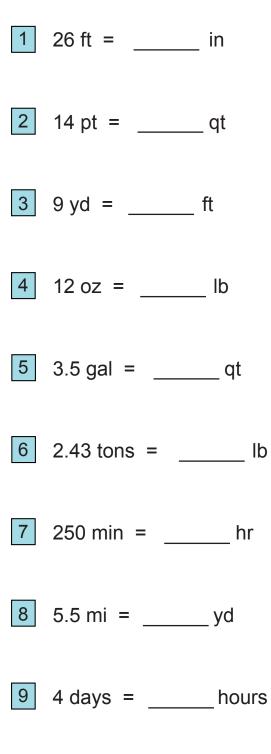**19** $\frac{1}{8}$

20 $2\frac{3}{5}$
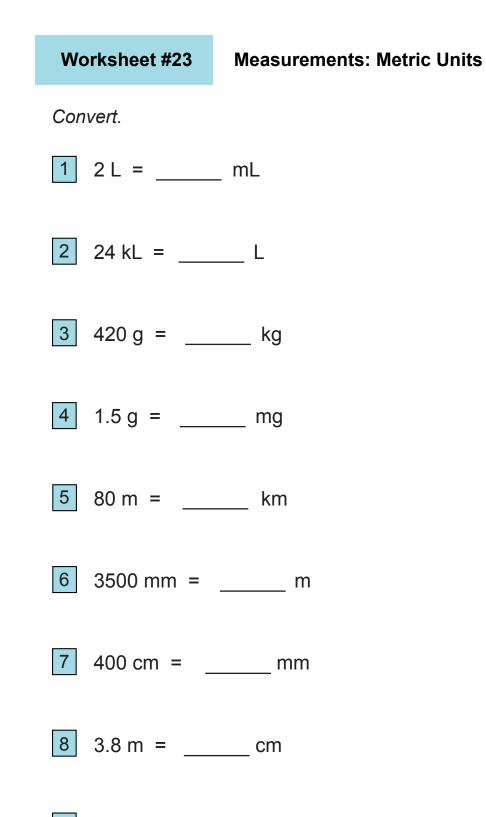
Worksheet #21   **Percents Problems**

Solve.

1 What is 35% of 200?

2 15% of what amount is 6?

3 30 is what percent of 20?

4 Find 102% of 2000.

5 What percent of 80 is 60?

6 14 is 70% of what number?

7 What is 0.5% of 3.2?

8 2.5 is what percent of 4?

9 5 is what percent of 15?

10 12.5% of 32 is what number?

11 What percent of 8.7 is 17.4?

12 What is 3.1% of 60?

Convert.

1 26 ft = _____ in

2 14 pt = _____ qt

3 9 yd = _____ ft

4 12 oz = _____ lb

5 3.5 gal = _____ qt

6 2.43 tons = _____ lb

7 250 min = _____ hr

8 5.5 mi = _____ yd

9 4 days = _____ hours

10 6600 ft = _____ mi

Convert.

1   2 L = _____ mL

2   24 kL = _____ L

3   420 g = _____ kg

4   1.5 g = _____ mg

5   80 m = _____ km

6   3500 mm = _____ m

7   400 cm = _____ mm

8   3.8 m = _____ cm

9   10,000 mL = _____ L

10   0.002 kg = _____ mg

Refer to the circle graph in the tutorial to answer the following questions.

1   What percent of caloric intake should be from fat?

2   What is the ratio of protein to carbohydrates? Write in lowest terms.

3   How many grams of carbohydrates should one have for every 6 grams of protein?

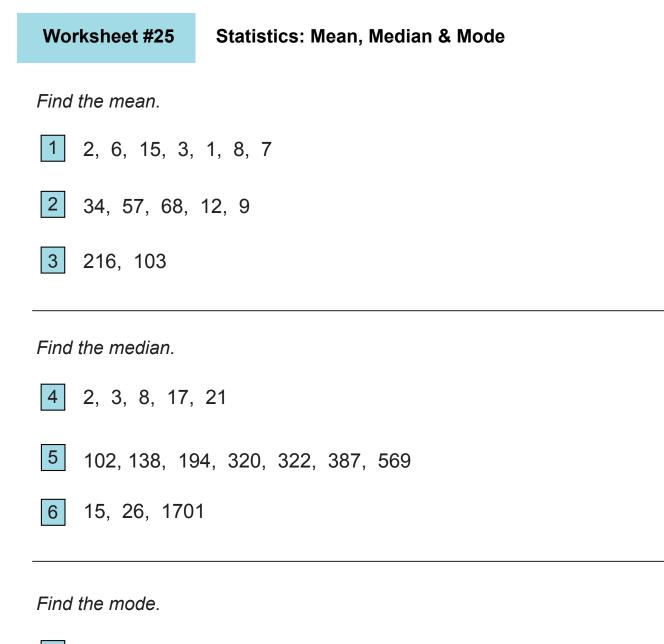*Refer to the line graphs in the tutorial to answer the following questions.*

4   In the year of highest overall video sales, approximately how many videos were sold?

5   DVD sales exceeded VHS sales for the first time in what year?

6   Write the ratio between VHS sales and DVD sales in 1997.

Refer to the bar graphs in the tutorial to answer the following questions.

7   Which month had the greatest number of guests at the Dove Hotel?

8   In which months did the majority of guests choose the mealplan?

9   Approximately how many guests chose the mealplan in June?

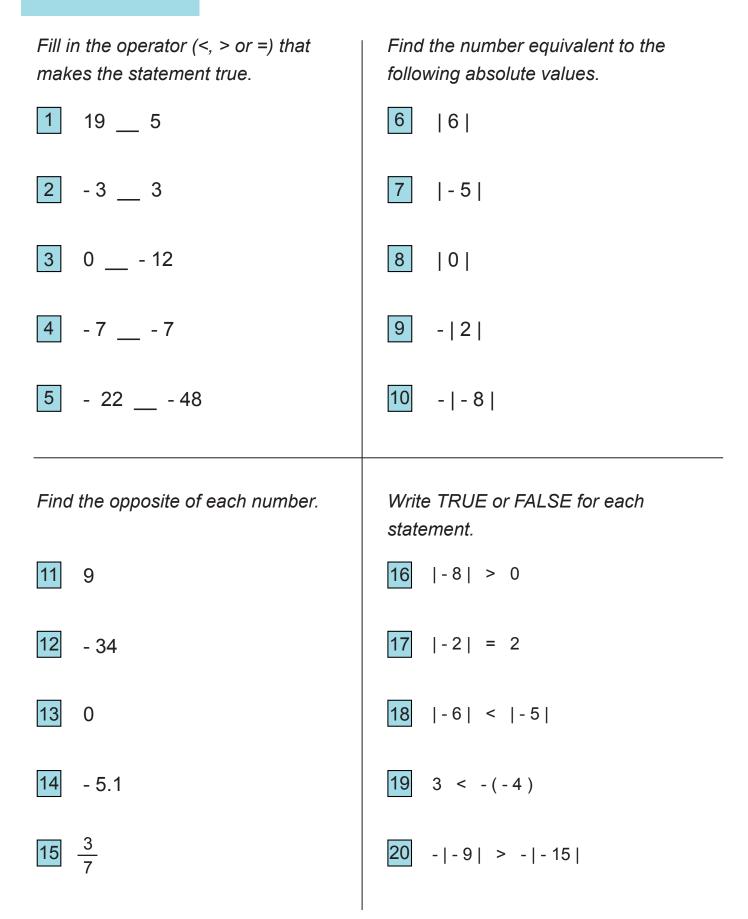*Refer to the histogram in the tutorial to answer the following questions.*

10   Which age range (class interval) has the highest class frequency?

11   Which class interval has the lowest class frequency?

12   How many members of the club are between 1 and 20 years old?

Find the mean.

1   2, 6, 15, 3, 1, 8, 7

2   34, 57, 68, 12, 9

3   216, 103

Find the median.

4   2, 3, 8, 17, 21

5   102, 138, 194, 320, 322, 387, 569

6   15, 26, 1701

Find the mode.

7   2, 3, 3, 3, 3, 5, 7, 7, 9, 16, 16

8   16, 37, 82, 82, 95, 95, 95, 101, 123

9   2.1, 3.2, 3.2, 3.6, 3.9, 4.3
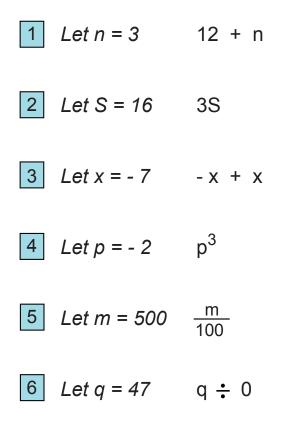
Worksheet #26   **Real Numbers: The Basics**

Fill in the operator (<, > or =) that makes the statement true.

1   19 __ 5

2   - 3 __ 3

3   0 __ - 12

4   - 7 __ - 7

5   - 22 __ - 48

Find the number equivalent to the following absolute values.

6 | 6 |

7 | - 5 |

8 | 0 |

9   - | 2 |

10   - | - 8 |

Find the opposite of each number.

11   9

12   - 34

13   0

14   - 5.1

15 $\dfrac{3}{7}$

Write TRUE or FALSE for each statement.

16 | - 8 | > 0

17 | - 2 | = 2

18 | - 6 | < | - 5 |

19   3 < - (- 4)

20   - | - 9 | > - | - 15 |

Find the sum or difference as indicated.

1 8 + (- 2)

2 - 7 + 10

3 5 + (- 9)

4 - 6 + (- 3)

5 12 + (- 12)

6 (- 34) + 17 + (- 88) + 5

7 - 0.4 + 1

8 3 - 19

9 7 - (- 4)

10 - 5 - 5

11 - 23 - 6

12 - 2 + (- 4) - 9 + 8

13 1 - (- 1) + 6 + (- 6) - 2

14 6.5 + (- 8.3) - (- 1.6) + 0.7 - 9.9

Real Numbers: Multiplying and Dividing

Find the product.

1 (3) (- 6)

2 (- 2) (- 7)

3 - 1 • 15

4 4 (- 8)

5 $(- 2)^2$

6 (5) (- 3) (- 9) (1)

7 $(- 1)^3$

8 - 86 • (4) • 0

9 $\left(-\frac{5}{6} \right)\left(-\frac{2}{3} \right)$

10 $\left(-\frac{2}{7} \right)^3$

11 $\left(-\frac{1}{2} \right)^2 \cdot \left(- 3 \right)$

12 $2\frac{1}{2} \cdot \left(-\frac{1}{5} \right)$

Find the quotient. Simplify.

13 - 16 ÷ (- 8)

14 - 9 ÷ 9

15 - 100 ÷ 10

16 20 ÷ (- 4)

17 - 52 ÷ (- 1)

18 - 1.5 ÷ 5

19 $\frac{- 1}{- 2}$

20 $\frac{3}{- 4}$

21 $\frac{- 3}{4}$

22 $\frac{- 6 - (- 1)}{5}$

23 $7 ÷ \left(-\frac{1}{3} \right)$

24 $\frac{2 (- 0.3)^2}{- 6}$

Evaluate each expression.

1 *Let n = 3* $12 + n$

2 *Let S = 16* $3S$

3 *Let x = - 7* $- x + x$

4 *Let p = - 2* p^3

5 *Let m = 500* $\dfrac{m}{100}$

6 *Let q = 47* $q \div 0$

Evaluate. Let x = - 2 and y = - 3

7 $x - y$ **11** $2x^2y$

8 xy **12** $- xy$

9 $x^4 + y^3$ **13** $(2xy)^2$

10 $\dfrac{x + y}{y - x}$ **14** $\dfrac{4}{x + y - 1}$

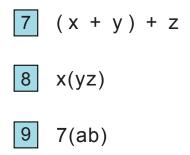*Identify the property as commutative, associative or distributive.*

1 a + b = b + a
    ab = ba

2 a + (b + c) = (a + b) + c
    a(bc) = (ab)c

3 a (b + c) = ab + ac
    a (b - c) = ab - ac
    $\dfrac{a + b}{c} = \dfrac{a}{c} + \dfrac{b}{c}$

Rewrite using the commutative property.

4 x + y

5 t + 10

6 pq

Rewrite using the associative property.

7 (x + y) + z

8 x(yz)

9 7(ab)

Rewrite using the distributive property.

10 e (g + h)

11 f (j - s)

12 5 (a + b)

13 3 (x + 6)

14 2 (5x - 1)

15 a (x + y + 4)

16 $\dfrac{e + f}{g}$

17 $\dfrac{x + 8}{8}$

Rewrite by factoring.

18 ab + ac

19 2b + 2c

20 7x + 4x

21 15s - 11s

22 ax + bx + cx

Worksheet #31   **Algebra: Simplifying Expressions**

Collect like terms to find an equivalent expression.

1   3x + 6x

2   8x + 4y - 5x - 7y

3   10x - x

4   - 9x + x

5   13 + 5t + 6y - t - y - 2

6   a - 4a

7   8x - 5x + 3 + 2y - y - 1

Remove parentheses to find an equivalent expression.

8   - (3 + x)

9   - (5x + 7)

10   - (- 2x - 6y + 4)

11   - (10x - 17)

12   - 2 (4x + 8)

Remove parentheses and collect like terms to find an equivalent expression.

13   6y - (5x - 2y + 8)

14   3a + 2a - (5a + 6)

15   5y - 2 - (2y - 4)

16   20a - 3 (6a - 2)

17   [3 (x + 2) + 2x] - [4 (y + 2) - 3 (y - 2)]

Worksheet #32   **Equations: Addition Principle**

Solve using the addition principle.

1 $x + 3 = -12$

2 $m - 5 = -2$

3 $-8 + y = 19$

4 $z + 3.2 = 5.7$

5 $e + \dfrac{1}{2} = 9$

6 $5 = q - 1\dfrac{1}{4}$

7 $t - 14 = 0$

8 $n + 7 = 3$

9 $40 = -2 + x$

10 $5 = b + 2\dfrac{1}{3}$

Worksheet #33   **Equations: Multiplication Principle**

Solve using the multiplication principle.

1   $5x = 40$

2   $12y = 36$

3   $-7y = 14$

4   $3s = -57$

5   $\frac{1}{2}v = 45$

6   $\frac{x}{4} = 3$

7   $\frac{n}{2} = 11$

8   $1.7w = 6.8$

9   $3 = 7x$

10 $\frac{a}{10} = 15$

Worksheet #34   **Algebra: Multistep Equations**

Solve for x.

1    $9x - 5 = 13$

2    $3x + 12 = 24$

3    $8x - 2 = 4 + 5x$

4    $2(3x + 4) = x + 6$

5    $\dfrac{5x}{7} = 8$

6    $6 - 2(x + 3) = 1 + 4x$

7    $-8x - 10 = -3$

8    $7x + 3x - (10x + 2) = 5 + x$

9    $\dfrac{x}{2} + 6 = 16$

10    $8 + 2(x - 7) = 0$

Evaluate the following formulas. Use the given values to find the values of the remaining variables.

1 $P = 4s$ $P = 64$ *Find s.*

2 $A = \dfrac{x + y + z}{3}$ $x = 5$ *Find A.*
$$y = 3$$
$$z = 4$$

3 $A = \dfrac{x + y + z}{3}$ $A = 6$ *Find z.*
$$x = 9$$
$$y = 2$$

4 $F = \dfrac{9C}{5} + 32$ $C = -20$ *Find F.*

5 $P = 2L + 2W$ $L = 8$ *Find P.*
$$W = 7$$

6 $P = 2L + 2W$ $P = 56$ *Find W.*
$$L = 12$$

7 $d = rt$ *Find t.*

8 $P = a + b + c$ *Find b.*

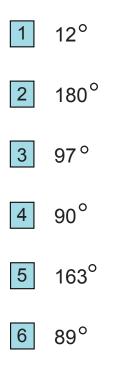1 Jennifer has $26 less than triple the savings of Matthew. Matthew has saved $81. How much has Jennifer saved?

2 Mark has consumed $\frac{1}{5}$ of a box of cookies, and Patricia has gobbled up another $\frac{2}{3}$. If the box origonally had 60 cookies, how many are now left?

3 Harold has typed 14 more pages than Rebecca. Together they have typed a total of 138 pages. How many pages have each of them typed?

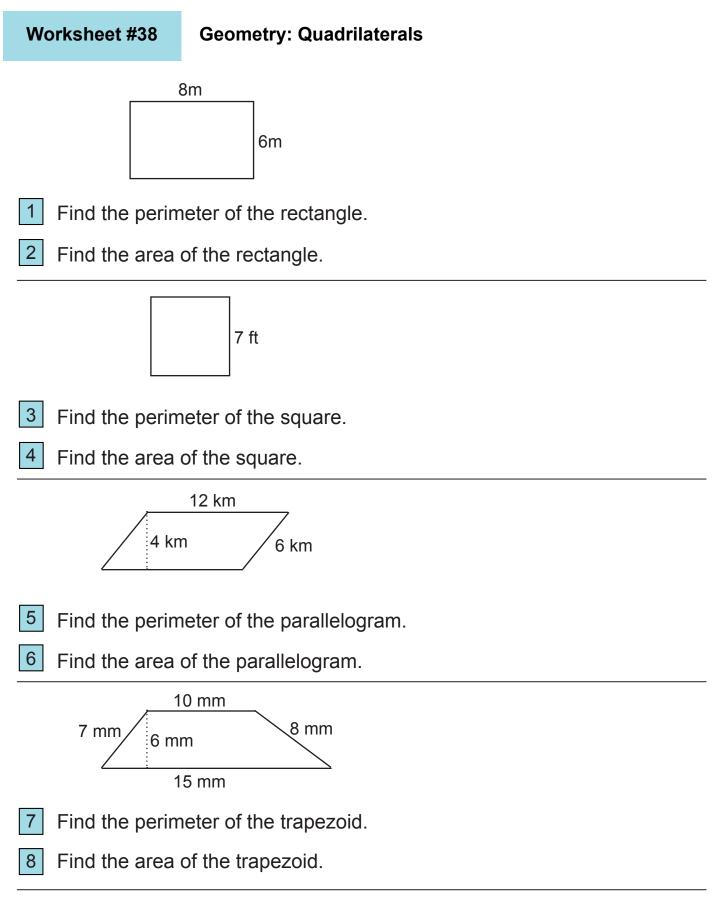4 The sum of 3 consecutive whole numbers is 72. What are the 3 numbers?

5 Jerome ate $\frac{4}{11}$ of the pizza. How much did that leave for Zachary?
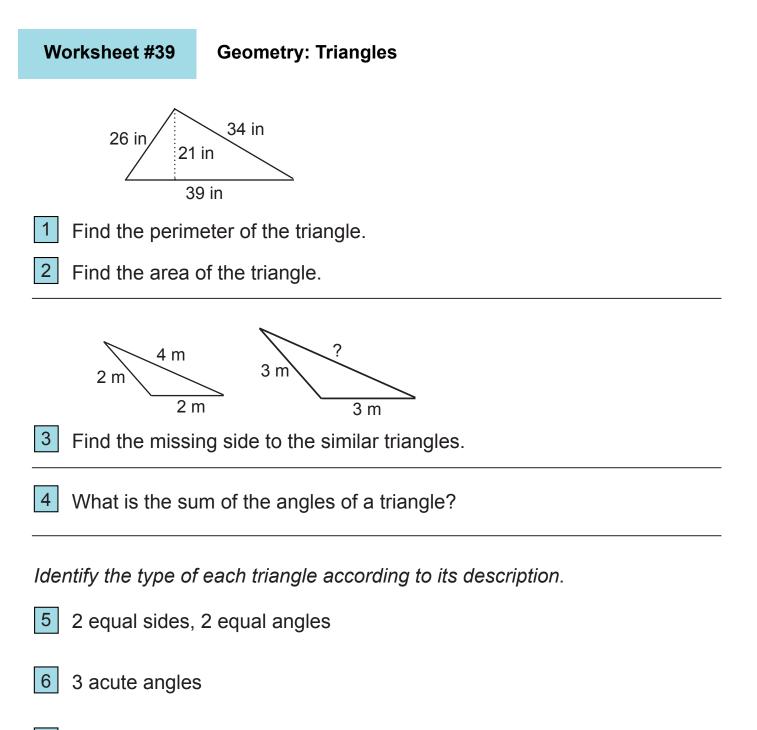
Identify each of the following angles as right, straight, acute or obtuse.

1 $12°$

2 $180°$

3 $97°$

4 $90°$

5 $163°$

6 $89°$

---

7 $\angle$ A and $\angle$ B are congruent. If $\angle$ A is $50°$, what is the measurement of $\angle$ B?

8 $\angle$ E and $\angle$ F are complimentary. If $\angle$ E is $35°$, what is the measurement of $\angle$ F?

9 $\angle$ S and $\angle$ T are supplementary. If $\angle$ S is $98°$, what is the measurement of $\angle$ T?
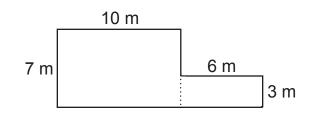
8m

6m

1 Find the perimeter of the rectangle.

2 Find the area of the rectangle.

7 ft

3 Find the perimeter of the square.

4 Find the area of the square.

12 km

4 km

6 km

5 Find the perimeter of the parallelogram.

6 Find the area of the parallelogram.

10 mm

7 mm   8 mm

6 mm

15 mm

7 Find the perimeter of the trapezoid.

8 Find the area of the trapezoid.

9 What is the sum of the angles of a quadrilateral?

26 in   34 in
21 in
39 in

1 Find the perimeter of the triangle.

2 Find the area of the triangle.

4 m
2 m
2 m

?
3 m
3 m

3 Find the missing side to the similar triangles.

4 What is the sum of the angles of a triangle?

Identify the type of each triangle according to its description.

5 2 equal sides, 2 equal angles

6 3 acute angles

7 1 right angle

8 3 equal sides, 3 equal angles

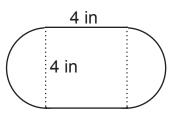**9** no equal sides, no equal angles

10 1 obtuse angle

1   A circle has a diameter of 48 km. What is the radius?

2   Find the diameter of a circle whose radius is 10 miles.

3   What is the value of π, rounded to the hundredths place?

4   Find the circumference of a circle whose diameter is 19 m.

5   Find the circumference of a circle whose radius is 2.5 ft.

6   Find the area of a circle whose radius is 7 mm.

7   Find the area of a circle whose diameter is 18 yd.
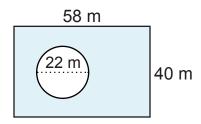
8   Find the area of a semicircle whose radius is 5 cm.

10 m

7 m   6 m

3 m

1 Find the perimeter of the above figure.

2 Find the area of the above figure.

4 in

4 in

3 Find the perimeter of the above figure.

4 Find the area of the above figure.

58 m

22 m

40 m

5 Find the shaded area of the above figure.

Find the volume of the following figures.

1   A rectangular solid that is 6 mm long, 4 mm wide and 8 mm high.

2   A pyramid whose length = 12 ft, width = 7 ft, and height = 10 ft.

3   A cone whose radius = 4m, and height = 18 m.

4   A sphere with a radius of 6 km.

5   A hemisphere with a radius of 3 in.

6   A cylinder whose radius = 9 yd and height = 2 yd.