

NAME: _____ PER: ____ LESSON 1.1

1. Find two fractions that are equivalent to $\frac{3}{12}$.

2. Find the GCF of 32 and 48.

3. Write each fraction in simplest form.

a. $\frac{15}{18}$

b. $\frac{30}{80}$

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NAME: _____ PER: ____ LESSON 1.2

Write each mixed number as an improper fraction.

1. $4\frac{1}{2}$ 2. $5\frac{2}{3}$ 3. $1\frac{9}{10}$

Write each improper fraction as a mixed number.

4. $\frac{21}{2}$ 5. $\frac{17}{6}$ 6. $\frac{32}{5}$

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NAME: _____ PER: ____ LESSON 1.3

Write each answer in simplest form.

1. $\frac{4}{5} + \frac{1}{10}$

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

3. $\frac{2}{3} + \frac{3}{4}$

4. $\frac{19}{20} - \frac{1}{5}$

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NAME: _____ PER: ____ LESSON 1.4

Find each product or quotient. Write answers in simplest form.

1. $\frac{2}{5} \cdot \frac{3}{4}$

2. $\frac{1}{2} \div \frac{2}{3}$

3. $\frac{8}{9} \div \frac{2}{3}$

4. $\frac{1}{8} \cdot \frac{2}{3}$

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4. $\frac{1}{8} \cdot \frac{2}{3}$

NAME: _____ PER: _____ LESSON 1.5

1. Find the value of $4\frac{1}{2} - 2\frac{3}{4}$.
2. Wildy had $1\frac{5}{6}$ yards of ribbon. She purchased an additional $3\frac{1}{3}$ yards of ribbon. How many total yards of ribbon does she have?
3. Ivan walked $6\frac{7}{8}$ miles over 5 days. He walks the same amount each day. How far is his daily walk?
4. Find the value of $(3\frac{3}{4})(1\frac{1}{5})$.

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NAME: _____ PER: ____ LESSON 1.6

Find the value of each expression.

1. $4.91 + 37.5$ 2. $7.8 - 1.73$

3. $6 - 2.7$ 4. $0.834 + 0.07$

5. Victor bought a bike for \$179.59. He gave the cashier \$200.
How much change did he receive?

NAME: _____ PER: ____ LESSON 1.6

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NAME: _____ PER: ____ LESSON 1.7

Find the value of each expression.

1. $8.4(1.3)$

2. $5(0.72)$

3. $0.25(1.9)$

4. $19.6 \div 7$

5. $7.2 \div 0.3$

NAME: _____ PER: ____ LESSON 1.7

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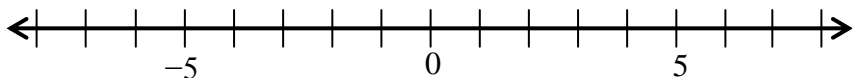
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NAME: _____ PER: ____ LESSON 2.1

1. Find the opposite of 5.
2. Graph the following numbers on a number line: 3, -6, 0 and -2.



3. Find the value of $|8|$.
4. Write an integer to represent the following: The buried treasure was 7 feet below the ground.

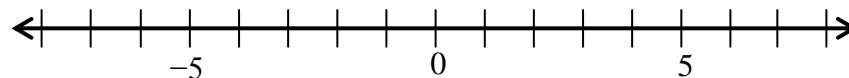
Complete each statement with $<$ or $>$.

5. $0 \bullet -11$ 6. $-45 \bullet -54$

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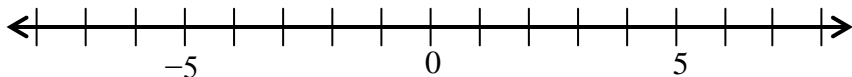
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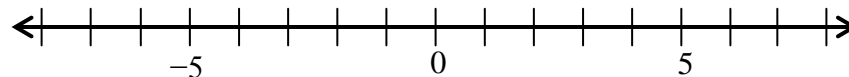
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NAME: _____ PER: ____ LESSON 2.2

Find the value of each expression.

1. $-5 + 2$

2. $9 + (-8)$

3. $-2 + (-10)$

4. $-1 + (-4) + (-9)$

5. $140 + (-122) + (-10)$

NAME: _____ PER: ____ LESSON 2.2

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NAME: _____ PER: _____ LESSON 2.3

Find the value of each expression.

1. $20 - (-8)$

2. $-11 + 7$

3. $-6 - 2$

4. $100 + (-45)$

5. $30 - 39$

6. $22 - (-2)$

NAME: _____ PER: _____ LESSON 2.3

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NAME: _____ PER: ____ LESSON 2.4

Find each product.

1. $-8(3)$

2. $5(-2)$

3. $-7(-7)$

4. $2(-1)(-4)$

5. $5(-5)(3)$

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NAME: _____ PER: ____ LESSON 2.5

Find the value of each expression.

1. $\frac{-100}{10}$

2. $-24 \div (-3)$

3. $5(-5)$

4. $7 \div (-7)$

5. Write an integer division problem that has a positive answer.

6. Write an integer division problem that has a negative answer.

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6. Write an integer division problem that has a negative answer.

NAME: _____ PER: ____ LESSON 2.6

Write each expression as a power.

1. $2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$

2. $(-1)(-1)(-1)$

Write each power in expanded form and find the value.

3. 2^3

4. $(-5)^2$

5. $(-3)^3$

NAME: _____ PER: ____ LESSON 2.6

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NAME: _____ PER: ____ LESSON 2.7

Find the value of each expression.

1. $3(-5) + 5^2$

2. $\frac{(-4 - 2)^2}{3 + 1}$

3. $\frac{10 - 2(-2)}{3 - 4}$

NAME: _____ PER: ____ LESSON 2.7

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NAME: _____ PER: ____ LESSON 3.1

Estimate the value of each expression.

1. $3.21 + 6.3$ 2. $-\frac{3}{7} + \frac{9}{10}$

3. $8\frac{1}{4} - (-2\frac{2}{3})$ 4. $0.13 - 0.925$

5. Matt bought $2\frac{1}{12}$ pounds of apples, $1\frac{5}{6}$ pounds of grapes and $4\frac{2}{3}$ pounds of potatoes. What was the approximate weight of Matt's purchases?

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Find each sum.

1. $-8.2 + (-2.3)$

2. $-\frac{2}{9} + \frac{2}{3}$

3. $0.49 + (-0.6)$

4. $-1\frac{1}{2} + (-2\frac{1}{4})$

NAME: _____ PER: ____ LESSON 3.2

Find each sum.

1. $-8.2 + (-2.3)$

2. $-\frac{2}{9} + \frac{2}{3}$

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3. $0.49 + (-0.6)$

4. $-1\frac{1}{2} + (-2\frac{1}{4})$

NAME: _____ PER: ____ LESSON 3.3

Find each difference.

1. $18.7 - (-2.8)$

2. $-\frac{3}{4} - \frac{3}{8}$

3. $-3\frac{2}{3} - (-1\frac{1}{6})$

NAME: _____ PER: ____ LESSON 3.3

Find each difference.

1. $18.7 - (-2.8)$

2. $-\frac{3}{4} - \frac{3}{8}$

3. $-3\frac{2}{3} - (-1\frac{1}{6})$

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2. $-\frac{3}{4} - \frac{3}{8}$

3. $-3\frac{2}{3} - (-1\frac{1}{6})$

NAME: _____ PER: ____ LESSON 3.4

Estimate each product or quotient using compatible numbers.

1. $\frac{1}{11}(57)$

2. $-31.82 \div (-3.19)$

3. $11.4 \div (-1.78)$

4. $-\frac{1}{6}(22\frac{3}{4})$

NAME: _____ PER: ____ LESSON 3.4

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4. $-\frac{1}{6}(22\frac{3}{4})$

NAME: _____ PER: ____ LESSON 3.5

Find each product.

1. $-0.6(-0.2)$

2. $\frac{7}{8}\left(-\frac{2}{3}\right)$

3. $-\frac{1}{3}\left(4\frac{1}{5}\right)$

NAME: _____ PER: ____ LESSON 3.5

Find each product.

1. $-0.6(-0.2)$

2. $\frac{7}{8}\left(-\frac{2}{3}\right)$

3. $-\frac{1}{3}\left(4\frac{1}{5}\right)$

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Find each product.

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2. $\frac{7}{8}\left(-\frac{2}{3}\right)$

3. $-\frac{1}{3}\left(4\frac{1}{5}\right)$

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Find each product.

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2. $\frac{7}{8}\left(-\frac{2}{3}\right)$

3. $-\frac{1}{3}\left(4\frac{1}{5}\right)$

NAME: _____ PER: ____ LESSON 3.6

Find each quotient.

1. $-\frac{5}{9} \div \left(-\frac{1}{3}\right)$

2. $120.8 \div (-0.4)$

3. $-6\frac{3}{4} \div \frac{2}{3}$

NAME: _____ PER: ____ LESSON 3.6

Find each quotient.

1. $-\frac{5}{9} \div \left(-\frac{1}{3}\right)$

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NAME: _____ PER: ____ LESSON 4.1

1. Evaluate $\frac{x}{4} - 9$ when $x = 24$.

2. Write an algebraic expression for the phrase “seven less than x ”.

3. Determine if 3 is the solution of the equation $1 - 2x = -7$.

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3. Determine if 3 is the solution of the equation $1 - 2x = -7$.

NAME: _____ PER: ____ LESSON 4.1

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NAME: _____ PER: ____ LESSON 4.2

Solve each equation. Show your work and check your solution.

1. $x + 39 = 150$

2. $\frac{d}{5} = -3$

3. $12.9 = y - 14.2$

4. $-5t = 55$

NAME: _____ PER: ____ LESSON 4.2

Solve each equation. Show your work and check your solution.

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NAME: _____ PER: ____ LESSON 4.3

Solve each equation. Show your work and check the solution.

1. $2x - 8 = 12$

2. $-5 = \frac{y}{3} + 1$

3. $0.6m + 4 = 7$

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

NAME: _____ PER: ____ LESSON 4.3

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NAME: _____ PER: ____ LESSON 4.4

Use the Distributive Property to simplify each expression.

1. $3(x - 5)$

2. $-2(6x + 1)$

Solve each equation. Show your work and check your solution.

3. $8(x - 1) = 16$

4. $-20 = \frac{1}{2}(6x + 2)$

NAME: _____ PER: ____ LESSON 4.4

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NAME: _____ PER: ____ LESSON 4.5

Simplify each algebraic expression.

1. $7x - 2x + x$

2. $-9 + 5y - 2y + 9$

3. $18w - 5d + 8d - 21w$

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

NAME: _____ PER: ____ LESSON 4.5

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NAME: _____ PER: ____ LESSON 4.5

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NAME: _____ PER: ____ LESSON 4.6

Solve each equation. Check your solution.

1. $4(x - 2) + 7 = 35$

2. $3y + 5 + y + 10y = 19$

NAME: _____ PER: ____ LESSON 4.6

Solve each equation. Check your solution.

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NAME: _____ PER: ____ LESSON 4.7

Solve each equation. Check your solution.

1. $8x + 12 = 3x + 37$

2. $-11 + p = 3p - 3$

NAME: _____ PER: ____ LESSON 4.7

Solve each equation. Check your solution.

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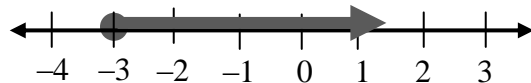
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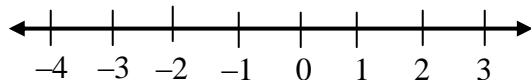
NAME: _____ PER: ____ LESSON 4.8

1. Write an inequality for the graph.



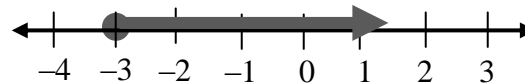
2. Write an inequality for the statement: Lance walked more than 2 miles (m).

3. Solve the inequality and graph the solution: $2x + 7 < 3$



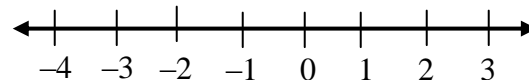
NAME: _____ PER: ____ LESSON 4.8

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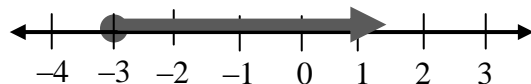
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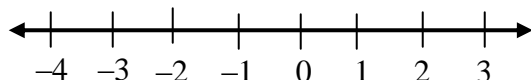
NAME: _____ PER: ____ LESSON 4.8

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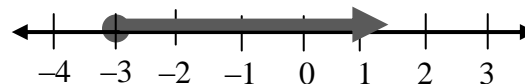
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