WELCOME TO 7TH GRADE

Dear Students and Parents,

As a 7th grader, it is important to be able to solve operations with decimals and fractions. This is prerequisite material needed to be successful next year. Please complete the attached packet.

- This summer packet must be completed BEFORE the first day of school.
- You are to show all work. (no calculator)
- Packets will be graded as a homework assignment.
- Packets will be collected the first day of school.
- You will be given a test on this material within the first week of school that will count toward your first marking period grade.

Do not expect to complete this packet in one sitting. It is recommended that you work on one worksheet at a time. Plan to take your time when working on these problems. You may use another sheet of paper if there is not enough room to show your work. Showing work demonstrates to your teacher that you fully understand the concepts.

If you need help, you can go to http://www.khanacademy.org and sign up (free) to begin using this on-line learning tool.

Students and Parents: To show that you have read and understood the instructions above, please sign below and return it to your teacher on the first day of school.
Thank you, and have a great summer!

Student Name: _____ (print)

Student Signature: _____

Parent Signature: _____

REVIEW: Multiples of Whole Numbers

Name _____

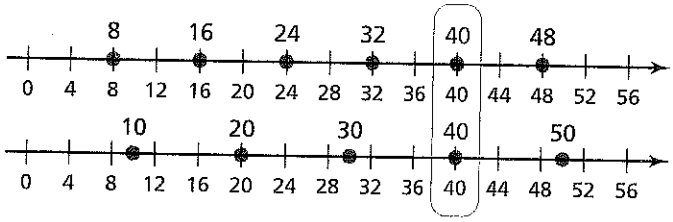
Key Concept and Vocabulary

Multiples of 8:
8, 16, 24, 32, (40), 48, . . .

Multiples of 10:
10, 20, 30, (40), 50, . . .

least common multiple

Visual Model



Skill Examples

1. The LCM of 4 and 6 is **12**.
2. The LCM of 1 and 3 is **3**.
3. The LCM of 3 and 5 is **15**.
4. The LCM of 12 and 40 is **120**.
5. The LCM of 11 and 33 is **33**.

The LCM of two primes is their product.

Application Example

6. Find the minimum number of 6-taco packages that will serve 4 people with no tacos left over.

The LCM of 4 and 6 is **12**.

∴ For 1 package, there will be 6 tacos and 2 will be left over. For 2 packages, there will be **12 tacos**. Each person gets 3.

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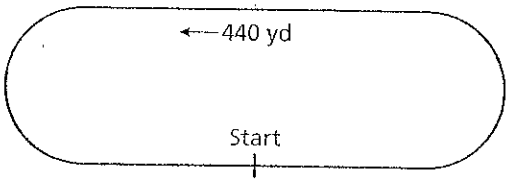
Check your answers at BigIdeasMath.com.

Find the least common multiple of the two whole numbers.

7. 3 and 7: _____
8. 3 and 6: _____
9. 6 and 9: _____
10. 9 and 12: _____
11. 6 and 21: _____
12. 24 and 30: _____
13. 24 and 32: _____
14. 15 and 40: _____
15. 48 and 128: _____

16. **RUNNING** One trip around a track is 440 yards. One runner can complete one lap in 8 minutes. Another can complete a lap in 6 minutes. How long will it take for both to arrive at the starting point together if they start at the same place? _____



17. **BUYING TACOS** Find the minimum number of 5-taco packages that will serve 4 people with no tacos left over. How many will each person get?

_____

18. **HOW MANY PENNIES?** With the same collection of pennies, you can make stacks that have 3 pennies, 4 pennies, or 9 pennies with none left over. How many pennies do you have?

_____

REVIEW: Order of Operations

Name _____

Key Concept and Vocabulary

"Please Excuse My Dear Aunt Sally"

1st **P**arentheses
2nd **E**xponents
3rd **M**ultiplication and **D**ivision (from left to right)
4th **A**ddition and **S**ubtraction (from left to right)

Simplify $4^2 \div 2 + 3(9 - 5)$.

$$\begin{aligned} 4^2 \div 2 + 3(9 - 5) &= 4^2 \div 2 + 3 \cdot 4 \\ &= 16 \div 2 + 3 \cdot 4 \\ &= 8 + 12 \\ &= 20 \end{aligned}$$

Skill Examples

1. $18 \div 2 - 4 = 9 - 4 = 5$
2. $12 \cdot (6 - 2) = 12 \cdot 4 = 48$
3. $14 \cdot 3 - 19 = 42 - 19 = 23$
4. $20 \div 10 + 21 \cdot 5 = 2 + 105 = 107$
5. $(2 + 3)^2 - 5 = 25 - 5 = 20$

Application Example

6. At a museum, 4 adults pay \$5 each and 6 children pay \$3 each. What is the total cost of the tickets?

$$\begin{aligned} 4 \cdot 5 + 6 \cdot 3 &= 20 + 18 \\ &= 38 \end{aligned}$$

∴ The total cost is \$38.

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Check your answers at BigIdeasMath.com.

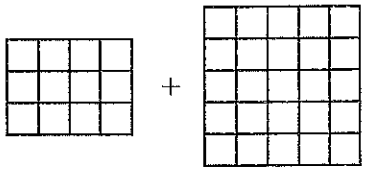
Simplify.

7. $3^2 + 5(4 - 2) =$ _____
8. $3 + 4 \div 2 =$ _____
9. $10 \div 5 \cdot 3 =$ _____
10. $4(3^3 - 8) \div 2 =$ _____
11. $3 \cdot 6 - 4 \div 2 =$ _____
12. $12 + 7 \cdot 3 - 24 =$ _____

Insert parentheses to make the statement true.

13. $5^2 - 15 \div 5 = 2$
14. $12 \cdot 2^3 + 4 = 144$
15. $91 - 21 \div 7 = 10$

Write an expression for the total area of the two rectangles. Evaluate your expression.

16. 

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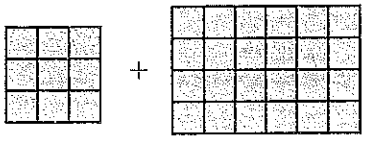
17. 

_____

18. **ADMISSION** At a baseball game, 6 adults pay \$20 each and 4 children pay \$10 each. What is the total cost of the tickets? _____

19. **INSERTING PARENTHESES** Insert parentheses in the expression $4 + 2^3 - 5 \cdot 2$ in two ways: (a) so that the value is 10 and (b) so that the value is 14.

(a) _____ (b) _____

REVIEW: Adding and Subtracting Integers

Name _____

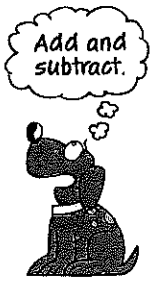
Key Concept and Vocabulary

terms — sum

$6 + (-2) = 4$

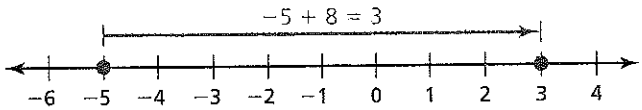
$7 - (-3) = 10$

terms — difference



Visual Model

To add a positive number, move to the *right*.



To subtract a positive number, move to the *left*.

Skill Examples

1. $5 + (-3) = 5 - 3 = 2$
2. $5 - (-2) = 5 + 2 = 7$
3. $-2 + 4 = 2$
4. $-3 - (-2) = -3 + 2 = -1$
5. $8 - (-3) = 8 + 3 = 11$

To subtract, change the sign and add.

Application Example

6. The temperature is 8°F in the morning and drops to −5°F in the evening. What is the difference between these temperatures?

$8 - (-5) = 8 + 5$

$= 13$

∴ The difference is 13 degrees.

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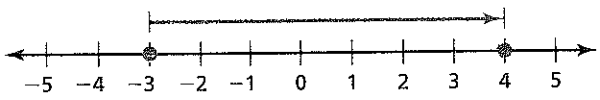
Check your answers at BigIdeasMath.com.

Find the sum or difference.

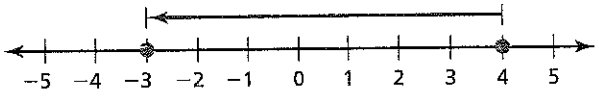
7. $-2 + 3 =$ ____
8. $-4 - 5 =$ ____
9. $8 - 2 =$ ____
10. $8 - (-2) =$ ____
11. $-4 - (-1) =$ ____
12. $-5 + (-5) =$ ____
13. $4 - (-8) =$ ____
14. $4 - 8 =$ ____
15. $-4 + (-6) =$ ____
16. $-4 - (-6) =$ ____
17. $10 - 13 =$ ____
18. $13 - (-10) =$ ____

Write the addition or subtraction shown by the number line.

19.



20.



21. **TEMPERATURE** The temperature is 16°F in the morning and drops to −15°F in the evening. What is the difference between these temperatures? _____

22. **SUBMARINE** A submarine is 450 feet below sea level. It descends 300 feet. What is its new position? Show your work.

_____

_____

REVIEW: Multiplying and Dividing Integers

Name _____

Key Concept and Vocabulary

factors, product

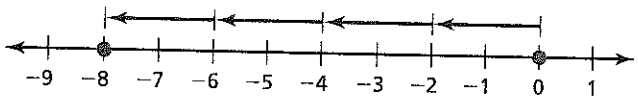
$8 \cdot (-5) = -40$

$-12 \div (-3) = 4$

dividend, divisor, quotient

Visual Model

$4 \cdot (-2) = (-2) + (-2) + (-2) + (-2)$



Skill Examples

1. $-3 \cdot (-4) = 12$ ← same sign, product and quotient positive
2. $-36 \div (-6) = 6$ ← same sign, product and quotient positive
3. $-7 \cdot 0 = 0$
4. $-10 \div 5 = -2$ ← different signs, product and quotient negative
5. $-5 \cdot 6 = -30$ ← different signs, product and quotient negative

Application Example

6. Each of your six friends owes you \$5. Use integer multiplication to represent the total amount your friends owe you.

$6 \cdot (-5) = -30$

∴ The total amount owed is \$30.

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Check your answers at BigIdeasMath.com.

Find the product or quotient.

7. $-3 \times (-5) =$ ____
8. $7(-3) =$ ____
9. $0 \cdot (-5) =$ ____
10. $(-5)(-7) =$ ____
11. $-8 \cdot 2 =$ ____
12. $(-5)^2 =$ ____
13. $(-3)^3 =$ ____
14. $4(-2)(-3) =$ ____
15. $-16 \div 4 =$ ____
16. $-20 \div (-5) =$ ____
17. $\frac{-9}{3} =$ ____
18. $\frac{-20}{-10} =$ ____

Complete the multiplication or division equation.

19. $-15 \div$ ____ $= -3$
20. $45 \div$ ____ $= -5$
21. ____ $\div (-20) = 5$
22. $8 \cdot$ ____ $= -64$
23. ____ $\cdot (-9) = 27$
24. $-12 \cdot$ ____ $= -96$

25. **TOTAL OWED** Each of your eight friends owes you \$10. Use integer multiplication to represent the total amount your friends owe you. _____

_____

26. **TEMPERATURE** The low temperatures for a week in Edmonton, Alberta are −15°C, −12°C, −10°C, −12°C, −18°C, −20°C, and −25°C. What is the mean low temperature for the week? Show your work.

_____

_____

REVIEW: Simplifying Fractions

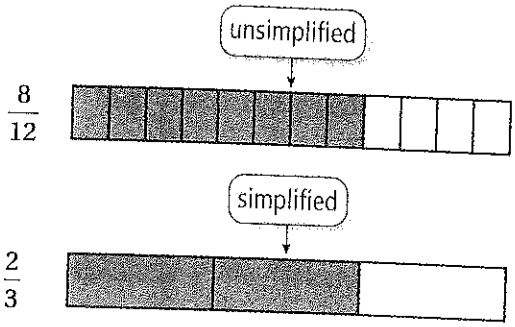
Name _____

Key Concept and Vocabulary

$$\frac{8}{12} = \frac{2 \cdot \cancel{4}}{3 \cdot \cancel{4}} = \frac{2}{3}$$

Divide numerator and denominator by common factor.

Visual Model

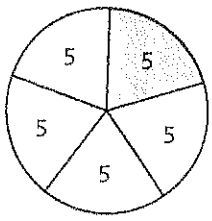


Skill Examples

1. $\frac{2}{4} = \frac{1 \cdot \cancel{2}}{2 \cdot \cancel{2}} = \frac{1}{2}$
2. $\frac{3}{6} = \frac{1 \cdot \cancel{3}}{2 \cdot \cancel{3}} = \frac{1}{2}$
3. $\frac{15}{20} = \frac{3 \cdot \cancel{5}}{4 \cdot \cancel{5}} = \frac{3}{4}$
4. $\frac{80}{100} = \frac{4 \cdot \cancel{20}}{5 \cdot \cancel{20}} = \frac{4}{5}$

Application Example

5. Five of the 25 students in your class have a Facebook account. Write this fraction in simplifed form.



$$\frac{5}{25} = \frac{1 \cdot \cancel{5}}{5 \cdot \cancel{5}} = \frac{1}{5}$$

$\therefore$ One-fifth of your class has a Facebook account.

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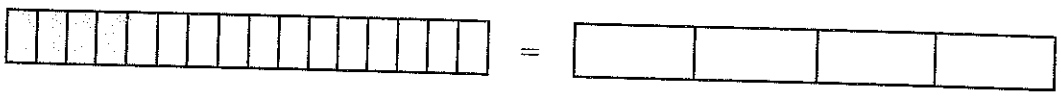
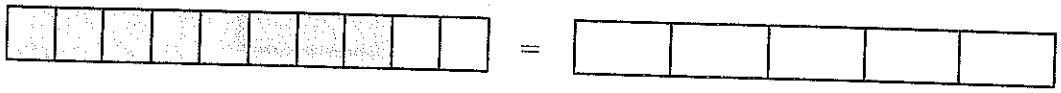
Check your answers at BigIdeasMath.com.

Simplify the fraction.

6. $\frac{16}{18} =$ _____
7. $\frac{10}{12} =$ _____
8. $\frac{6}{8} =$ _____
9. $\frac{15}{45} =$ _____
10. $\frac{12}{40} =$ _____
11. $\frac{14}{21} =$ _____
12. $\frac{6}{2} =$ _____
13. $\frac{20}{50} =$ _____
14. $\frac{12}{30} =$ _____
15. $\frac{20}{15} =$ _____
16. $\frac{75}{85} =$ _____
17. $\frac{21}{35} =$ _____

Shade the model so that the fraction is simplified.

18. 

19. 

20. **FACEBOOK** Eight of the 24 students in your class have a Facebook account. Write this fraction in simplified form. _____

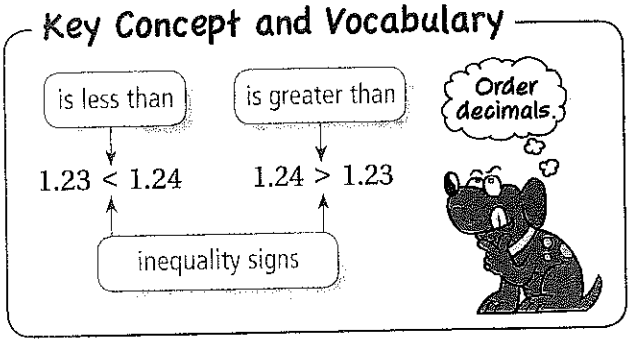
21. **SIMPLIFYING** Write five different fractions that each simplify to two-fifths.

_____

REVIEW: Comparing and Ordering Decimals

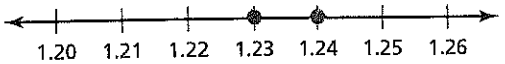
Name _____

Key Concept and Vocabulary



Visual Model

Number Line



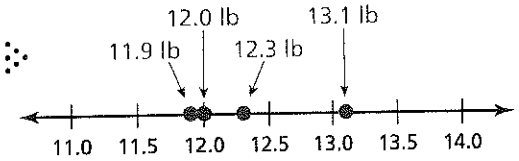
1.23 < 1.24 because 1.23 is to the left of 1.24 on the number line.

Skill Examples

1. 34.07 > 30.47
2. 12.35 < 12.351
3. 17,056.4 > 17,055.9
4. 0.004 < 0.030
5. 0.1003 > 0.0999

Application Example

6. Order the weights from least to greatest: 12.3 lb, 11.9 lb, 12.0 lb, 13.1 lb.



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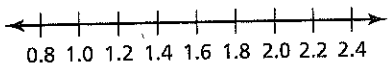
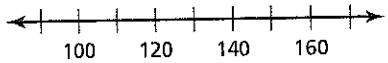
Check your answers at BigIdeasMath.com.

Graph the two numbers. Then compare them using <, >, or =.

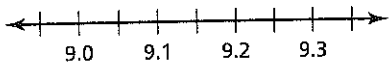
7. 1.6 ☐ 1.7



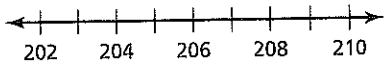
8. 130.5 ☐ 103.5



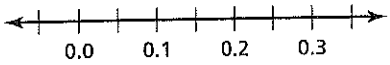
9. 9.2 ☐ 9.02



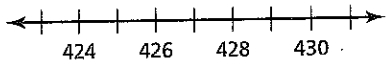
10. 203.7 ☐ 207.3



11. 0.32 ☐ 0.132



12. 427.8 ☐ 428.3



Order the lengths from least to greatest.

13. 32.5 ft, 29.9 ft, 32.3 ft, 31.7 ft, 31.75 ft

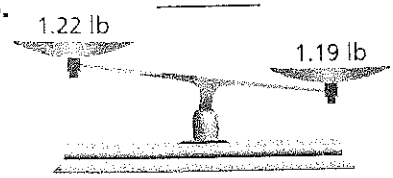
_____

14. 0.5 mi, 0.05 mi, 0.47 mi, 1.02 mi, 0.08 mi

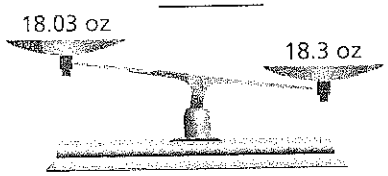
_____

Is the scale balanced correctly?

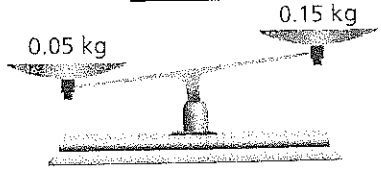
15. _____



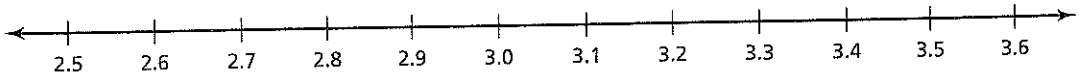
16. _____



17. _____



18. **NUMBER LINE** On the number line, shade all values of x for which $x \leq 3.2$ and $x \geq 2.9$.



REVIEW: Fractions and Decimals

Name _____

Key Concept and Vocabulary

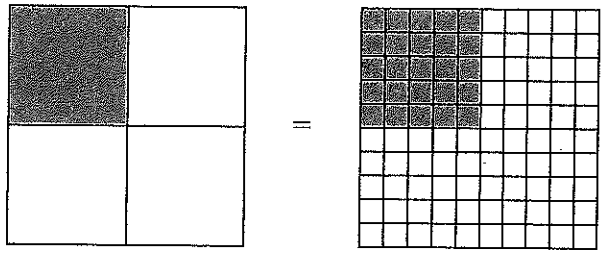
$\frac{1}{10} = 0.1$ $\frac{1}{5} = 0.2$ $\frac{2}{5} = 0.4$

$\frac{1}{4} = 0.25$ $\frac{1}{2} = 0.5$ $\frac{3}{4} = 0.75$

$\frac{1}{8} = 0.125$ $\frac{3}{8} = 0.375$ $\frac{5}{8} = 0.625$

Visual Model

$\frac{1}{4} = 0.25$



Skill Examples

1. $0.6 = \frac{6}{10} = \frac{3}{5}$

2. $\frac{4}{5} = \frac{4 \cdot 2}{5 \cdot 2} = \frac{8}{10} = 0.8$

3. $0.875 = \frac{875}{1000} = \frac{7 \cdot \cancel{125}}{8 \cdot \cancel{125}} = \frac{7}{8}$

4. $\frac{1}{3} = 0.333\ldots = 0.\overline{3}$

$$3\overline{)1.0000\ldots}\quad 0.3333\ldots$$

Application Example

5. You put 16.75 gallons of gas in your car. Write this decimal as a mixed number.

$$16.75 = 16 + 0.75 = 16\frac{3}{4}$$

$\therefore$ You put $16\frac{3}{4}$ gallons of gas in your car.

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Check your answers at BigIdeasMath.com.

Write the fraction as a decimal.

6. $\frac{3}{4} =$ _____

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

8. $\frac{3}{25} =$ _____

9. $\frac{7}{20} =$ _____

10. $\frac{19}{100} =$ _____

11. $\frac{11}{50} =$ _____

12. $\frac{2}{3} =$ _____

13. $\frac{1}{6} =$ _____

Write the decimal as a fraction.

14. $0.4 =$ _____

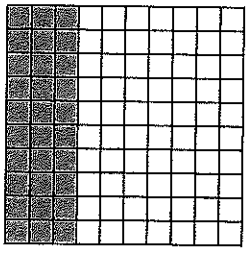
15. $0.35 =$ _____

16. $0.6 =$ _____

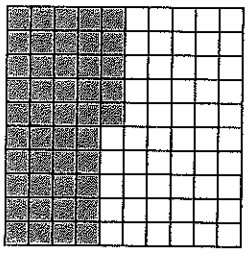
17. $1.5 =$ _____

Write the number represented by the model as a decimal and as a simplified fraction.

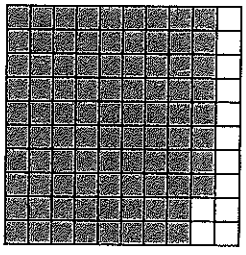
18. _____ = _____



19. _____ = _____



20. _____ = _____



21. **GAS** You put 9.25 gallons of gas in your car. Write this decimal as a mixed number. _____

22. **MULTIPLE FORMS** Write the decimal 0.35 in two ways. One with a denominator of 100 and one with a denominator of 1000. _____

REVIEW: Percents

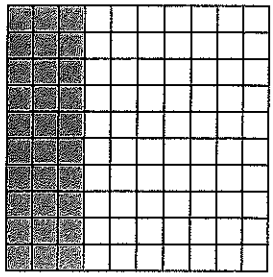
Name _____

Key Concept and Vocabulary

$30\% = \frac{30}{100}$ ← 30 ← per ← cent (100)

Visual Model

30% is equal to 30 parts out of 100 parts.



Skill Examples

30% of 10 is 3:

1. 30% of 10 is 3: $\frac{30}{100} \cdot 10 = 3$
2. 25% of 8 is 2: $\frac{25}{100} \cdot 8 = 2$
3. 50% of 24 is 12: $\frac{50}{100} \cdot 24 = 12$
4. 75% of 80 is 60: $\frac{75}{100} \cdot 80 = 60$

Application Example

5. You earn \$100,000 and have to pay 40% federal income tax. How much in federal income tax do you pay?

40% of 100,000 is 40,000.

∴ You pay \$40,000 in federal income tax.

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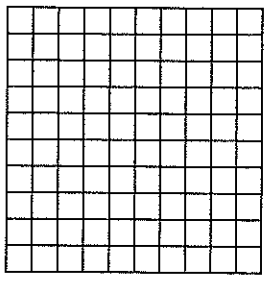
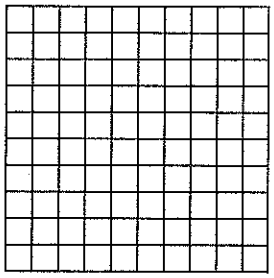
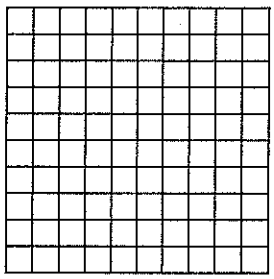
Check your answers at BigIdeasMath.com.

Find the percent.

6. 20% of 50 = _____
7. 10% of 80 = _____
8. 1% of 100 = _____
9. 25% of 16 = _____
10. 30% of 40 = _____
11. 100% of 5 = _____
12. 60% of 60 = _____
13. 75% of 40 = _____
14. 25% of 200 = _____
15. 10% of 120 = _____
16. 0% of 10 = _____
17. 50% of 42 = _____

Shade the model to show the given percent.

18.  25%
19.  82%
20.  37%

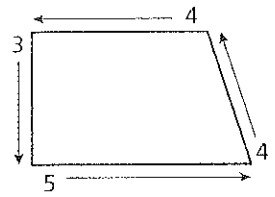
21. **TEST SCORE** You take a test that has 20 questions and you get 80% of the questions correct. How many questions do you get correct? _____

22. **SALES TAX** You buy \$50 worth of clothes. The sales tax is 8%. How much sales tax do you pay? _____

REVIEW: Perimeter

Name _____

Key Concept and Vocabulary

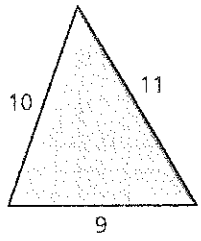


Perimeter $= 3 + 5 + 4 + 4 = 16$

Visual Model

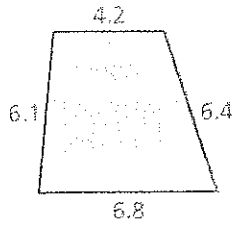
Perimeter $= 10 + 9 + 11$

$= 30$



Skill Examples

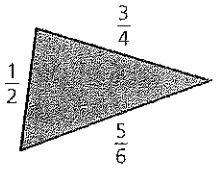
1.



$P = 6.1 + 6.8 + 6.4 + 4.2$

$= 23.5$

2.

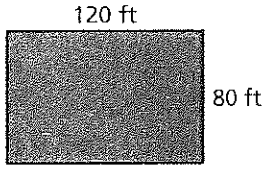


$P = \frac{1}{2} + \frac{5}{6} + \frac{3}{4}$

$= \frac{25}{12}$

Application Example

3. Find the length of fence needed to enclose the lot.



$P = 2(80) + 2(120)$

$= 160 + 240$

$= 400$

∴ You need 400 feet of fence.

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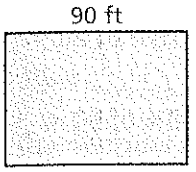
Check your answers at BigIdeasMath.com.

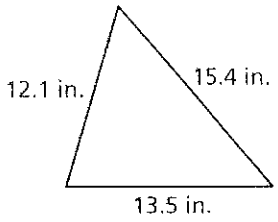
Find the perimeter of the figure.

4.



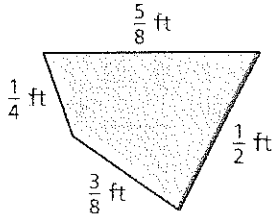
Perimeter = _____

5.



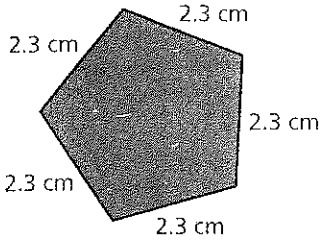
Perimeter = _____

6.



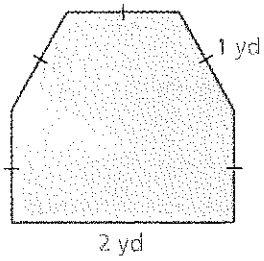
Perimeter = _____

7.



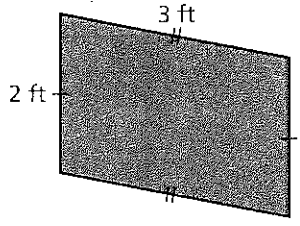
Perimeter = _____

8.



Perimeter = _____

9.



Perimeter = _____

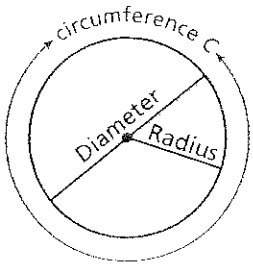
10. RIBBON You are wrapping a ribbon around a rectangular box that is 18 inches long and 12 inches wide. What is the minimum amount of ribbon you need? _____

11. COUNTY LINE A county has the shape of a quadrilateral. The lengths of the four sides are 109 miles, 94 miles, 82 miles, and 109 miles. Find the perimeter of the county. _____

REVIEW: Circles and Circumference

Name _____

Key Concept and Vocabulary



$C = \pi d$

$C = 2\pi r$

$\pi \approx 3.14$

$\pi \approx \frac{22}{7}$

Visual Model

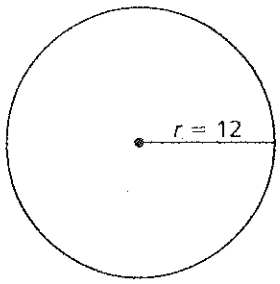
Circumference of a Circle:

$C = 2\pi r$

$= 2\pi(12)$

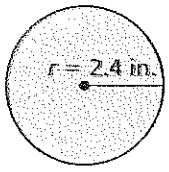
$= 24\pi$

≈ 75.4



Skill Examples

1.

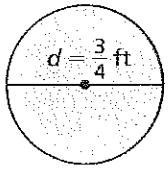


$C = 2\pi(2.4)$

$= 4.8\pi$

≈ 15.1 in.

2.

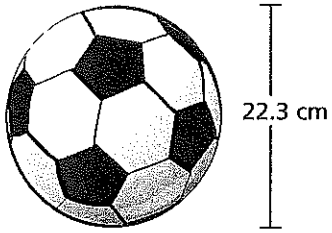


$C = \pi\left(\frac{3}{4}\right)$

≈ 2.4 ft

Application Example

3. Find the distance around the soccer ball.



$C = \pi(22.3)$

≈ 70.0 cm

∴ The distance is about 70 centimeters.

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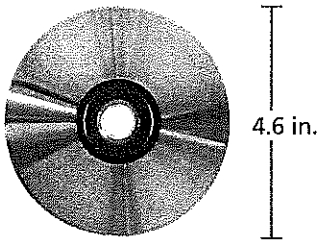
Check your answers at BigIdeasMath.com.

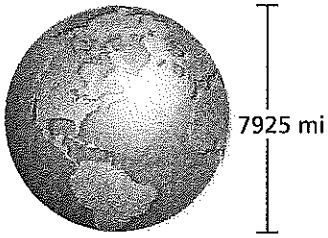
Find the circumference. Round your answer to the nearest tenth.

4.



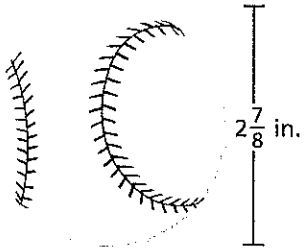
Circumference ≈ _____

5.



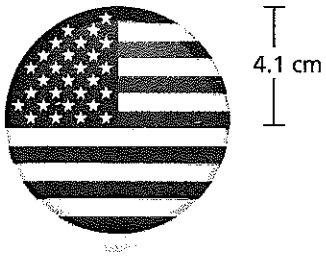
Circumference ≈ _____

6.



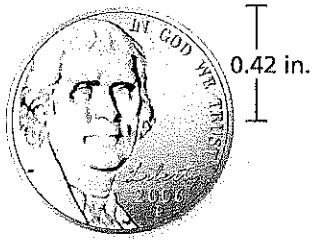
Circumference ≈ _____

7.



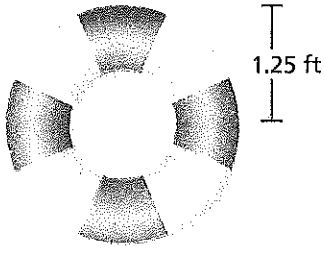
Circumference ≈ _____

8.



Circumference ≈ _____

9.



Circumference ≈ _____

10. RACETRACK A circular racetrack has a circumference of one mile. What is the diameter of the racetrack in feet? _____

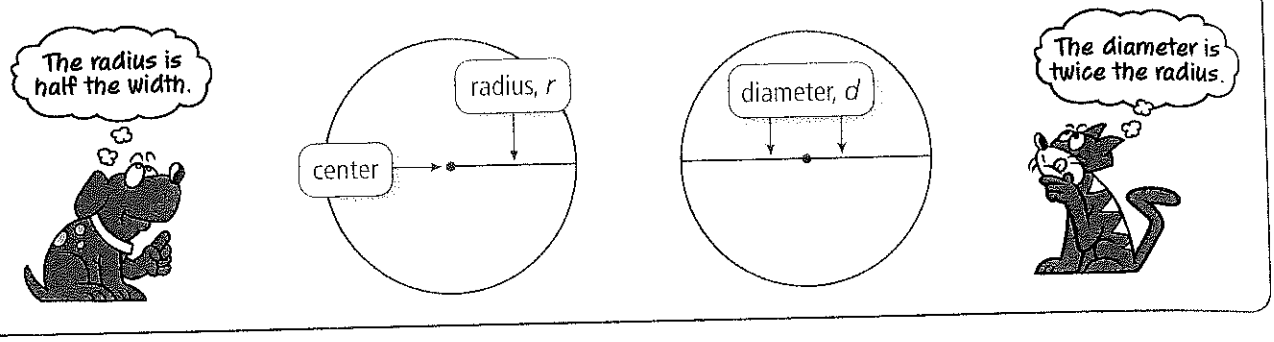
11. OLD OAK TREE You have 110 inches of yellow ribbon. The diameter of the old oak tree is 38 inches. Do you have enough yellow ribbon to wrap around the old oak tree? Explain.

_____

Circles

Name _____

Key Concept and Vocabulary



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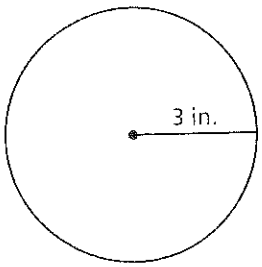
Check your answers at BigIdeasMath.com.

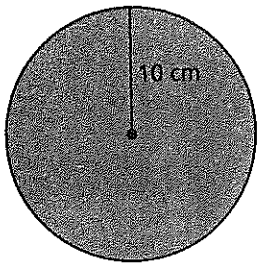
Write the radius and the diameter.

1.



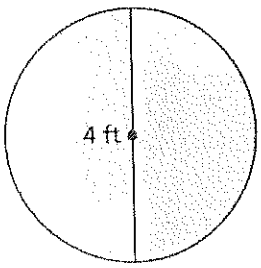
Radius = _____ in. Diameter = _____ in.

2.



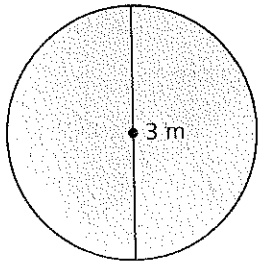
Radius = _____ cm Diameter = _____ cm

3.



Radius = _____ ft Diameter = _____ ft

4.

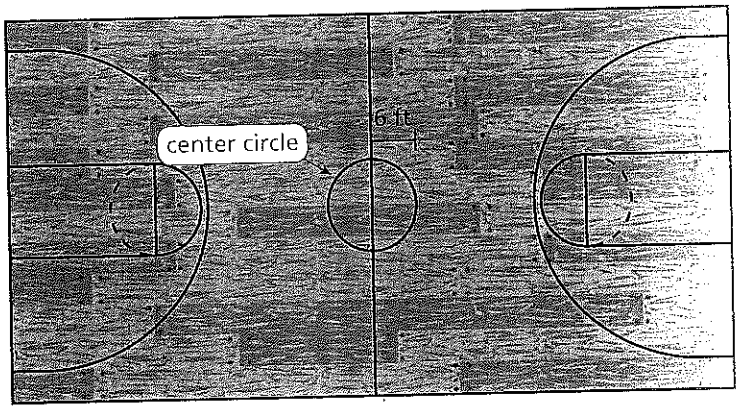


Radius = _____ m Diameter = _____ m

5. BASKETBALL COURT Write the radius and diameter of the center circle on a basketball court.

Radius = _____ ft

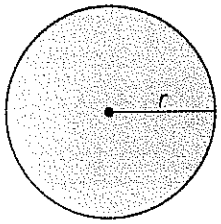
Diameter = _____ ft



REVIEW: Areas of Circles

Name _____

Key Concept and Vocabulary



$A = \pi r^2$

$\pi \approx 3.14$

$\pi \approx \frac{22}{7}$

Visual Model

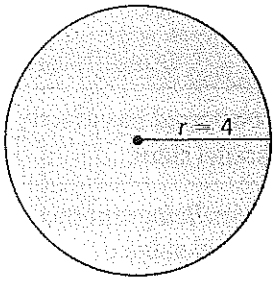
Area of a Circle:

$A = \pi r^2$

$= \pi(4)^2$

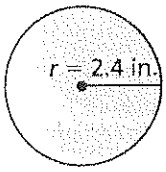
$= \pi(16)$

≈ 50.2



Skill Examples

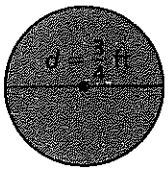
1.



$A = \pi(2.4)^2$

$\approx 18.1 \text{ in.}^2$

2.



$A = \pi\left(\frac{3}{8}\right)^2$

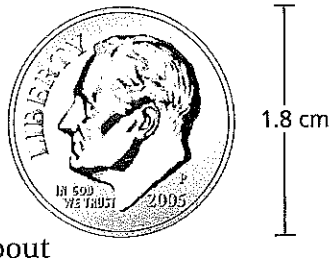
$\approx 0.4 \text{ ft}^2$

Application Example

3. Find the area of a dime.

$A = \pi(0.9)^2$

$\approx 2.5 \text{ cm}^2$



∴ The area is about 2.5 square centimeters.

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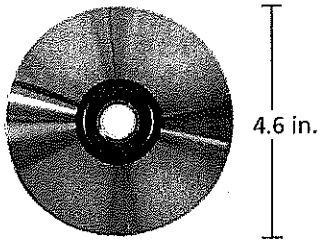
Check your answers at BigIdeasMath.com.

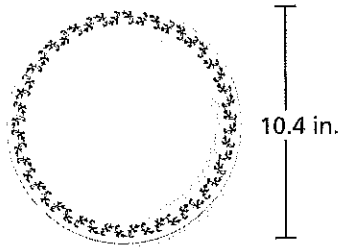
Find the area. Round your answer to the nearest tenth.

4.



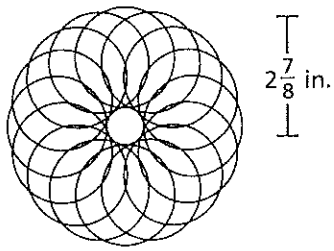
Area ≈ _____

5.



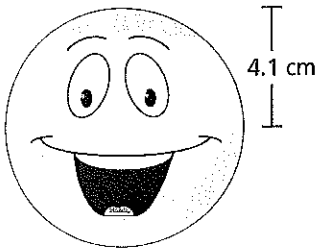
Area ≈ _____

6.



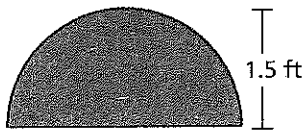
Area ≈ _____

7.



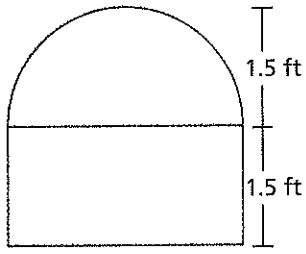
Area ≈ _____

8.



Area ≈ _____

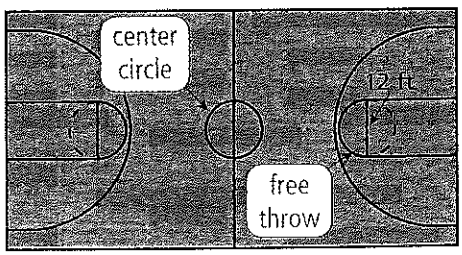
9.



Area ≈ _____

10. BASKETBALL Find the area of the center circle on a basketball court. _____

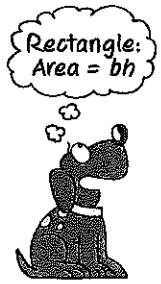
11. BASKETBALL Find the area of a free throw region on a basketball court. _____



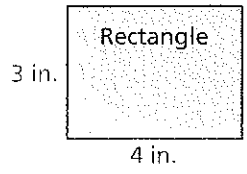
Area

Name _____

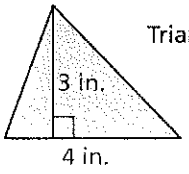
Key Concept and Vocabulary

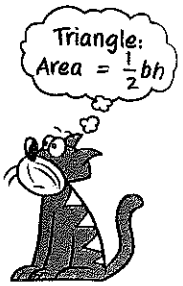


Area = Base × Height
= 4 × 3
= 12 in.^{2}



Area = $\frac{1}{2}$(Base × Height)
= $\frac{1}{2}$(4 × 3)
= 6 in.^{2}





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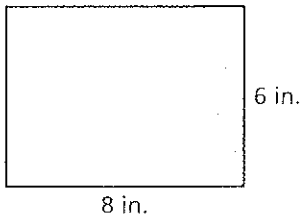
Check your answers at BigIdeasMath.com.

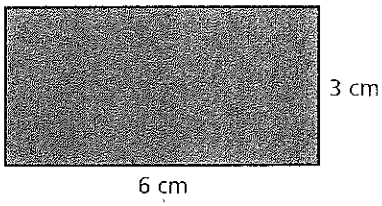
Write the area of the figure in . Include the units in your answer.

1.



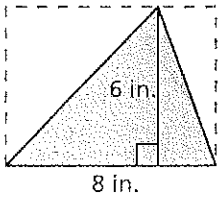
Area =

2.



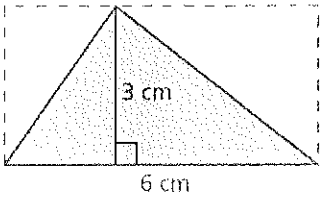
Area =

3.



Area =

4.



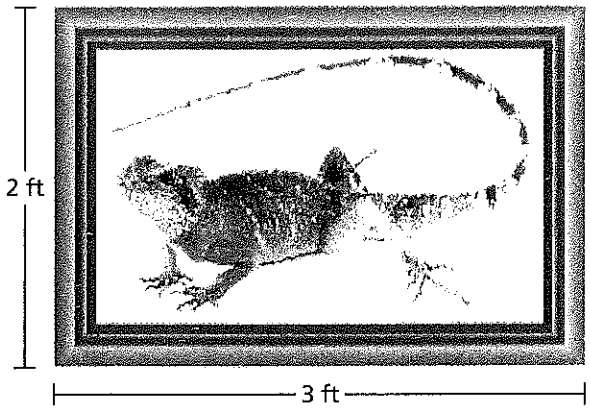
Area =

5. WATERCOLOR Find the area of the iguana painting.

Area =

6. WATERCOLOR If you doubled the base and the height, what is the area?

Area =



Can use calculator

REVIEW: Area for this page only

Name Challenge ★

Key Concept and Vocabulary

Rectangle: $A = bh$

Parallelogram: $A = bh$

Triangle: $A = \frac{1}{2}bh$

Trapezoid: $A = \frac{1}{2}(B + b)h$

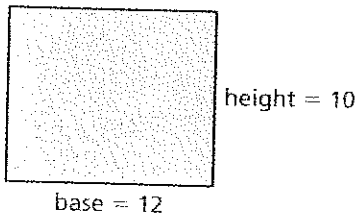
Visual Model

Area of a Rectangle:

$A = bh$

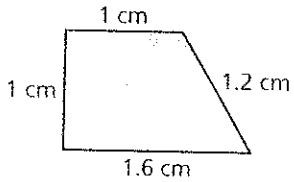
$= (12)(10)$

$= 120$ square units



Skill Examples

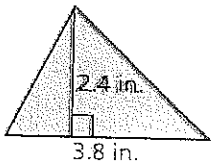
1.



$A = \frac{1}{2}(1.6 + 1)(1)$

$= 1.3 \text{ cm}^2$

2.

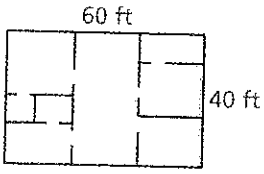


$A = \frac{1}{2}(3.8)(2.4)$

$= 4.56 \text{ in.}^2$

Application Example

3. Find the area of the apartment.



$A = 60 \cdot 40$

$= 2400 \text{ ft}^2$

∴ The area is 2400 square feet.

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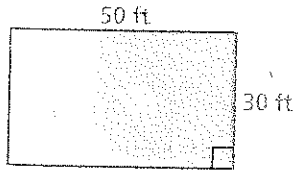
Check your answers at BigIdeasMath.com.

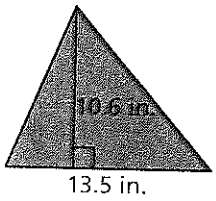
Find the area of the figure.

4.



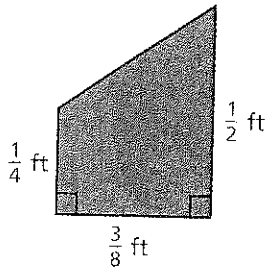
Area = _____

5.



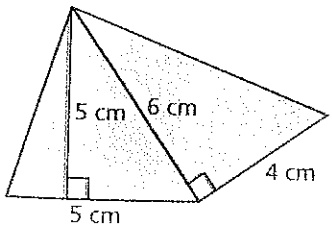
Area = _____

6.



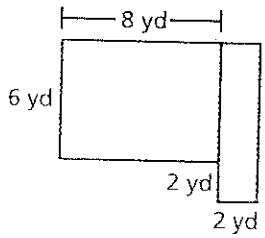
Area = _____

7.



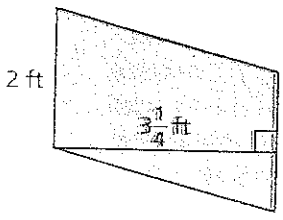
Area = _____

8.



Area = _____

9.



Area = _____

10. CARPET You are carpeting a rectangular room that is 3.5 yards by 4.5 yards. The carpet costs $15 per square yard. How much will it cost to carpet the room? _____

11. COLORADO Colorado is approximately a rectangle that is 280 miles by 380 miles. Is the area of Colorado greater than or less than 100,000 square miles? Explain.

_____