

| Essential Questions | Answers |
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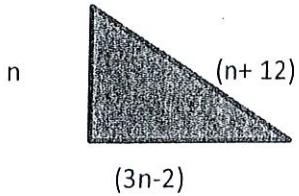
Name: _____ Date: _____ Week: _____

"Warm-up's Q1W8"

8.EE.7

Monday Warm-up

The perimeter of the triangle is 42.7. What is the value of n ?



Show all your work

Tuesday Warm-up

(8.EE.3)

The diagonal of a square is the square root of 400 centimeters long. What is the length of each side of square?

Show all work here

Wednesday Warm-up

(8.EE.2)

A newly wed couple needs to buy materials to put up wall paper on one of the walls in house. The area of the square is $6,400 \text{ ft}^2$. How long should the tape be to go around the perimeter of the wall?

Show all work here

Thursday Warm-up

The following rectangle and square plate have the same perimeter. What is the value of x ?



x

$3x$

$x+2$

Math Skills Study Guide

Area of Parallelograms

Name _____

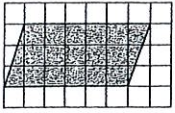
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Period _____

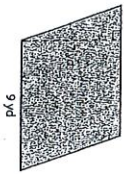
Find the area of each parallelogram. Round decimals to the nearest tenth.



2.



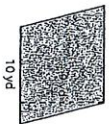
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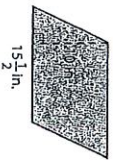
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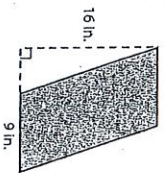
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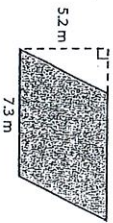
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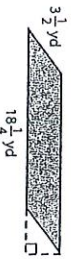
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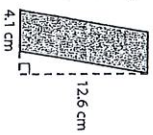
12.



14.



15.



What is the measure of the area of a parallelogram with a base of $6\frac{2}{5}$ inches and a height of $1\frac{1}{2}$ inches?

Find the area of a parallelogram with base $7\frac{1}{5}$ yards and height $1\frac{1}{9}$ yards.

Glencoe/McGraw-Hill

66

Core-Plus Mathematics, Course 1

Name _____

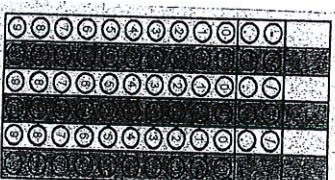
Teacher _____

Grade _____

Follow the guidelines to answer questions G1-G11 from the Mathematics Assessment.

- Write only one digit or symbol in each box. Spaces are permitted before or after your answer, but not within the answer. Darken the circle below each box.
- For a negative number, write a negative sign in the top of the leftmost column. Darken the 1 circle below.
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Becky is planning to plant a field of pumpkin vines. They should be spaced about 6 feet apart. Approximately how many vines can she grow?



Math Skills Study Guide

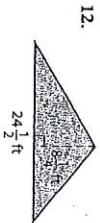
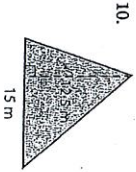
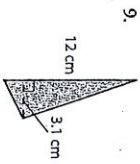
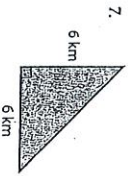
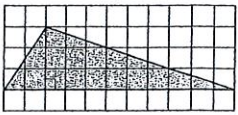
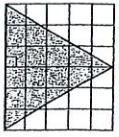
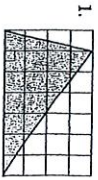
Area of Triangles

Name _____

Date _____

Period _____

Find the area of each triangle. Round decimals to the nearest tenth.



13. base: 4 in.
height: 11 in.

14. base: $4\frac{3}{4}$ yd
height: $1\frac{1}{3}$ yd

15. base: $5\frac{1}{4}$ ft
height: $2\frac{2}{3}$ ft

Name _____

Teacher _____

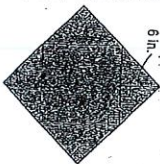
Grade _____

Follow the guidelines to answer questions G1-G1.1 from the Math 1 Assessment.

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| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| + | - | 0 | . | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| + | - | 0 | . | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| + | - | 0 | . | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| + | - | 0 | . | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

What is the area of the hot pad shown in the figure?



Math Skills Study Guide

Area of Circles

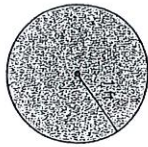
Name _____

Date _____

Period _____

Find the area of each circle to the nearest tenth. Use 3.14 for π .

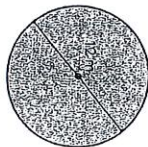
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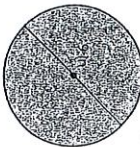
7.



8.



9.



10. What is the area of a circle whose radius is 4.2 yards?

11. Find the area of a circle with a diameter of 13 meters.

12. What is the area of a circle whose radius is 6.6 inches?

Name _____

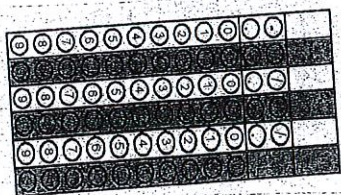
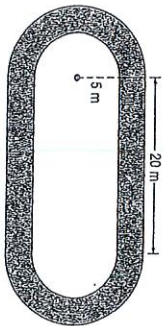
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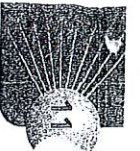
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The figure shows a miniature race track. The company is going to resurface the track. What is the area of track that will be covered with asphalt?





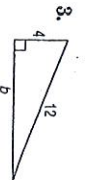
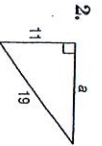
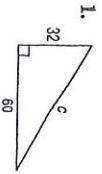
NAME _____

DATE _____

PERIOD _____

Practice**The Pythagorean Theorem**

Find the length of each missing side. If necessary, round to the nearest hundredth.

If c is the measure of the hypotenuse of a right triangle, find each missing measure. If necessary, round to the nearest hundredth.

4. $a = 24, b = 45, c = ?$

5. $a = 28, b = 96, c = ?$

6. $b = 48, c = 52, a = ?$

7. $c = 27, a = 18, b = ?$

8. $b = 14, c = 21, a = ?$

9. $a = \sqrt{20}, b = 10, c = ?$

10. $a = \sqrt{75}, b = \sqrt{6}, c = ?$

11. $b = 9x, c = 15x, a = ?$

Determine whether the following side measures form right triangles. Justify your answer.

12. 11, 18, 21

13. 21, 72, 75

14. 7, 8, 11

15. 9, 10, $\sqrt{161}$

16. $9, 2\sqrt{10}, 11$

17. $\sqrt{7}, 2\sqrt{2}, \sqrt{15}$

18. **STORAGE** The shed in Stephan's back yard has a door that measures 6 feet high and 3 feet wide. Stephan would like to store a square theater prop that is 7 feet on a side. Will it fit through the door diagonally? Explain.

SCREEN SIZES For Exercises 19–21, use the following information.

The size of a television is measured by the length of the screen's diagonal.

19. If a television screen measures 24 inches high and 18 inches wide, what size television is it?

20. Darla told Tri that she has a 35-inch television. The height of the screen is 21 inches. What is its width?

21. Tri told Darla that he has a 5-inch handheld television and that the screen measures 2 inches by 3 inches. Is this a reasonable measure for the screen size? Explain.

Name _____

Teacher _____

Grade _____

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Susan is holding the string for her kite as shown in the figure. If the string is 26 feet long, Susan's hand is 4 feet above the ground, and Susan is standing 10 feet away from directly underneath her kite, how high above the ground is the kite?

