

## CISD Grade 6 Math Unit 07

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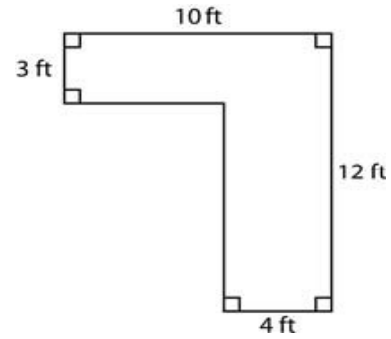
- 1** If the perimeter of a square is 20 meters, what is the length of one side?
- A** 10 meters
  - B** 4 meters
  - C** 5 meters
  - D** 20 meters
- 2** Charlie had a circular patio with a radius of 6 feet. The radius is 9 bricks in length. How many bricks would be in the diameter of the patio?
- F** 36 bricks
  - G** 24 bricks
  - H** 18 bricks
  - J** 12 bricks
- 3** The band room at June's school is rectangular and has an area of 1,200 square feet. The width of the room is 30 feet. How long is the room?
- A** 40 feet
  - B** 360 feet
  - C** 400 feet
  - D** 570 feet
- 4** Tammy sewed 21 feet of lace around her circular tablecloth. How can Tammy find the diameter of the tablecloth?
- F**  $21(\pi)$
  - G**  $(2)(21)(\pi)$
  - H**  $21 \div 2(\pi)$
  - J**  $21 \div \pi$
- 5** A certain map of Texas uses a scale of 2 cm for 80 miles. If the distance on the map between San Antonio and Houston is 6 cm, how many miles is San Antonio from Houston?
- A** 240 miles
  - B** 480 miles
  - C** 160 miles
  - D** 320 miles

- 6 How does the measure of the radius of a circle compare to the measure of the circumference of the circle?

Circumference	Radius
6	1
12	2
18	3
24	4
30	5

- F The radius is about six times the measure of the circumference.
- G The radius is about three times the measure of the circumference.
- H The radius is about one-sixth the measure of the circumference.
- J The radius is about one-third the measure of the circumference.

- 7 What is the area of the figure below?



- A 44 feet
- B 66 square feet
- C 44 square feet
- D 66 feet
- 8 Laquida has a circular garden with a radius of about 2 ft. If she wanted to plant 40 bulbs per square foot, about how many should she buy?
- F 120 bulbs
- G 240 bulbs
- H 480 bulbs
- J 300 bulbs

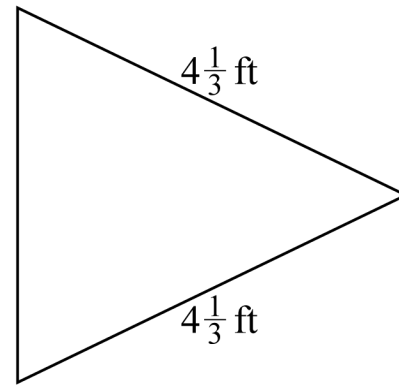
**9** Scott purchased gifts to give away during the holiday season. He spent \$85.63 on toys, \$98.04 on clothes, and \$171.56 on electronics. He had four 100 dollar bills to spend on the gifts. How much money did Scott have left after he purchased the gifts?

- A** \$44.77
- B** \$155.87
- C** \$755.23
- D** \$855.23

**10** If the diameter of Brenda's bicycle wheel is 29 inches, approximately how many inches are there in the circumference of the wheel?

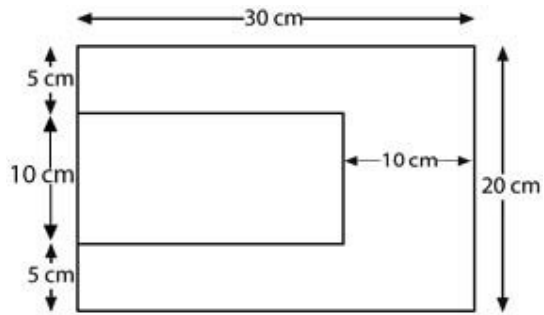
- F** 52 inches
- G** 80 inches
- H** 87 inches
- J** 104 inches

**11** Lori knows her school flag has a perimeter of  $11\frac{1}{6}$  feet. What is the length of the third side of the flag?



- A**  $19\frac{5}{6}$  feet
- B**  $15\frac{1}{2}$  feet
- C**  $2\frac{1}{2}$  feet
- D**  $3\frac{1}{2}$  feet

12 What is the area of the small rectangle in the figure below?



Explain how you got your answer.

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