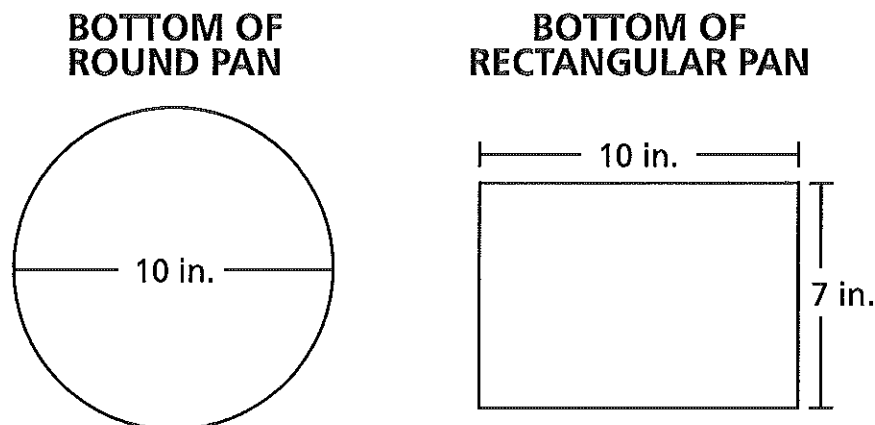


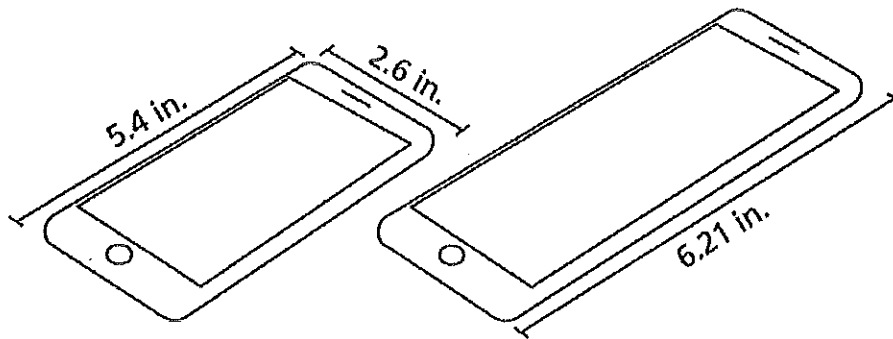
1. Jordan is baking brownies and will choose to use either a round or a rectangular pan. The dimensions of the bottom of each pan are shown below.



Which statement correctly describes how the area of the bottom of the round pan compares to the area of the bottom of the rectangular pan?

- A The area of the bottom of the round pan is greater than the area of the bottom of the rectangular pan by about 8.5 square inches.
- B The area of the bottom of the round pan is greater than the area of the bottom of the rectangular pan by about 244.2 square inches.
- C The area of the bottom of the round pan is less than the area of the bottom of the rectangular pan by about 7.2 square inches.
- D The area of the bottom of the round pan is less than the area of the bottom of the rectangular pan by about 38.6 square inches.
2. On average, Shawnte drinks  $\frac{1}{2}$  of a 6-ounce glass of water in  $\frac{2}{3}$  hour. How much water does she drink in an hour?
- A 0.75 ounce
- B 2 ounces
- C 4.5 ounces
- D 9 ounces

3. The diagram shows the length and width of a cell phone, and the length of a larger version of the same brand of cell phone.



The lengths and widths of the two cell phones are proportional. What is the width, in inches, of the larger version of the cell phone?

- A 1.15
- B 2.26
- C 2.99
- D 3.41
4. From 12:00 midnight to 6:00 a.m., the temperature decreased by  $12^{\circ}\text{C}$ . If the original temperature was  $12^{\circ}\text{C}$ , which expression can be used to represent this situation?
- A  $12 - 12$
- B  $12 + 12$
- C  $12 - (-12)$
- D  $-12 + (-12)$

**GO ON**

5. A car travels  $30\frac{1}{5}$  miles in  $\frac{2}{3}$  of an hour. What is the average speed, in miles per hour, of the car?

*Show your work.*

*Answer* \_\_\_\_\_ miles per hour

**GO ON**

6. A company starts to track the number of phone calls received each month. Information about the number of phone calls the company received the first three months of tracking is listed below.

- During the first month, the company received 4,264 phone calls.
- During the second month, the company received 25% more phone calls than in the first month.
- During the third month, the company received 6,396 phone calls.

What was the percent increase in the number of phone calls from the second month to the third month?

*Show your work.*

*Answer* \_\_\_\_\_ %

**GO ON**