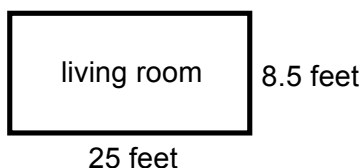
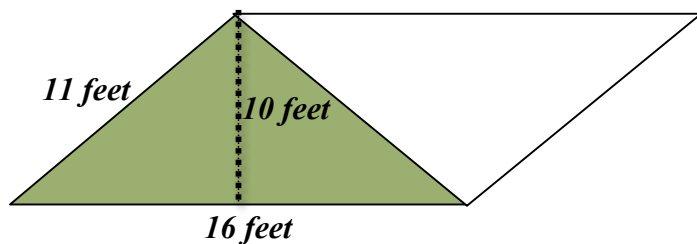


REVIEW PERIMETER AND AREA

Items 1 and 2 refer to the living room in the following figure.



1. What is the **perimeter** in feet of the living room in the drawing?
① ② ③ ④ ⑤
 - (1) 59 feet
 - (2) 63 feet
 - (3) 67 feet
 - (4) 71 feet
 - (5) 74 feet
2. What is the **area** in square feet of the living room in the drawing?
① ② ③ ④ ⑤
 - (1) 105.5 square feet
 - (2) 144 square feet
 - (3) 192.5 square feet
 - (4) 212.5 square feet
 - (5) Not enough information is given.
3. What is the **area** in square feet of the shaded portion of the parallelogram?

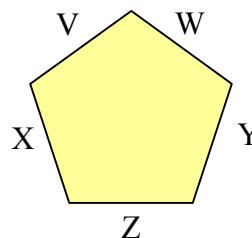


- ① ② ③ ④ ⑤
 - (1) 60 square feet
 - (2) 72 square feet
 - (3) 75 square feet
 - (4) 80 square feet
 - (5) 96 square feet

4. What is the **area** in square inches of a triangle with a base of 18 inches and a height of 15 inches?
① ② ③ ④ ⑤
 - (1) 135 square inches
 - (2) 138 square inches
 - (3) 140 square inches
 - (4) 141 square inches
 - (5) 144 square inches
5. The three sides of a triangle are 18 feet, 20 feet, and 24 feet. What is the **area** in square feet of the triangle?
① ② ③ ④ ⑤
 - (1) 360 square feet
 - (2) 400 square feet
 - (3) 432 square feet
 - (4) 480 square feet
 - (5) Not enough information is given.
6. A company sign is shown below.

Sides X and Y are 14.3 inches long.
Sides V and W are 13.5 inches long.
Side Z is 12.4 centimeters long.

What is the **perimeter** in inches of the sign?



- ① ② ③ ④ ⑤
 - (1) 40.2 inches
 - (2) 52.6 inches
 - (3) 58.6 inches
 - (4) 68 inches
 - (5) 70.6 inches

REVIEW PERIMETER AND AREA

7. The **area** of a square is 16 square meters. What is the length of one **side** of the square?

① ② ③ ④ ⑤

- (1) 2 meters
(2) 3 meters
(3) 4 meters
(4) 5 meters
(5) 6 meters

8. The base of a parallelogram is 16 inches. Its height is 4 inches. What is the **area** of the **parallelogram** in square inches?

① ② ③ ④ ⑤

- (1) 20 inches²
(2) 40 inches²
(3) 48 inches²
(4) 60 inches²
(5) 64 inches²

9. Leland is measuring the roof on a house. There are two equal sections of the roof. Each section is 35 feet long and 18 feet wide. What is the total **area** of BOTH sections of the roof in square feet?

① ② ③ ④ ⑤

- (1) 648 square feet
(2) 1,096 square feet
(3) 1,225 square feet
(4) 1,260 square feet
(5) Not enough information is given.

10. To the nearest tenth of a square meter, what is the **area** of a **circle** with a radius of 7 meters?

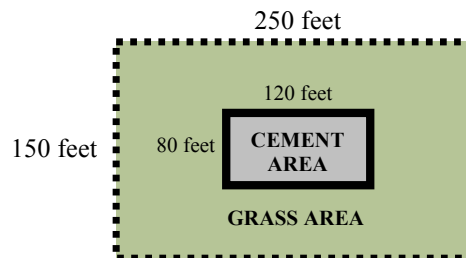
① ② ③ ④ ⑤

- (1) 146.4 square meters
(2) 149.7 square meters
(3) 150.2 square meters
(4) 153.8 square meters
(5) 153.9 square meters

Items 11 to 13 refer to the following diagram.

The city of La Junta is planning to improve the northwest section of Lincoln Park. In this section of the park, a cement area will be constructed for basketball and other sports.

**Lincoln Park
Northwest Section**



11. The city plans to build a fence around the grass area shown in the drawing. What is the **perimeter** of the grass area in feet?

① ② ③ ④ ⑤

- (1) 500 feet
(2) 600 feet
(3) 650 feet
(4) 700 feet
(5) 800 feet

12. What is the **area** in square feet of the **cement area**?

① ② ③ ④ ⑤

- (1) 8,600 feet²
(2) 8,800 feet²
(3) 9,460 feet²
(4) 9,600 feet²
(5) 9,840 feet²

13. What is the **area** in square feet of the **grass area**?

① ② ③ ④ ⑤

- (1) 25,900 feet²
(2) 26,400 feet²
(3) 27,900 feet²
(4) 30,100 feet²
(5) 33,500 feet²