



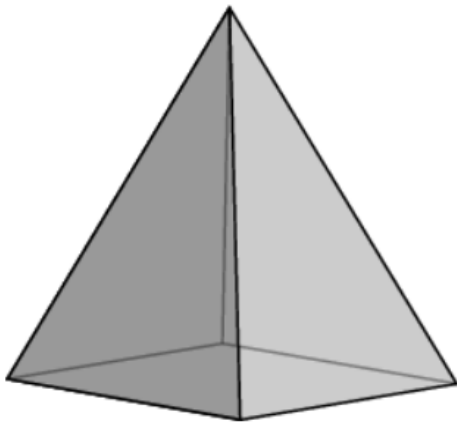
SAMPLES OF STANDARDS STUDENTS ARE LEARNING THIS NINE WEEKS:

7th Grade Math

STANDARDS: 7.G.3, 7.G.4, 7.G.6

7.G.3

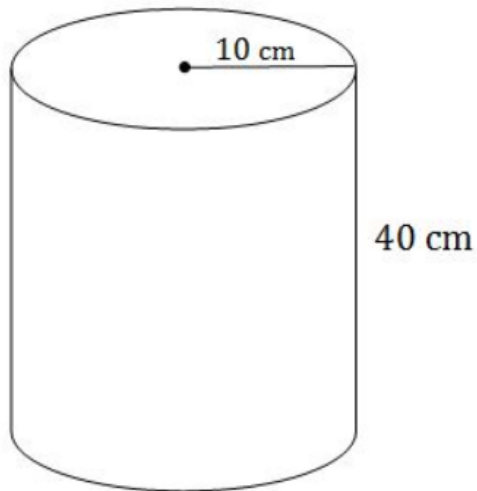
Look at the pyramid.



Which list contains only shapes that are formed by a single slice through the pyramid?

- triangle, hexagon, square
- triangle, rectangle, circle
- pentagon, square, trapezoid
- rectangle, trapezoid, ellipse

A cylinder is shown below.



What two-dimensional figure results from vertically slicing the cylinder perpendicularly from one base to the other?

- square
 - rectangle
 - trapezoid
 - circle
-

7.G.4

What is the radius, in centimeters, of a circle that has a circumference of 16π centimeters?

- A** 8
- B** 16
- C** 32
- D** 64

Answer A is correct.

Roscoe traced around the bottom of a can to draw a circle.

Tell whether each statement about Roscoe's circle is *True* or *False*.

Use 3.14 for π .

- a. If the circle has a circumference of 6π inches, then it has a diameter of 3 inches. True False
- b. If the circle has a diameter of 2 inches, then it has a circumference of 6.28 inches. True False
- c. If the circle has a circumference of 2π inches, then it has an area of π square inches. True False
- d. If the circle has a circumference of π inches, then it has an area of 0.5π square inches. True False
- e. If the circle has a radius of 1.5 inches, then it has an area of 7.065 square inches. True False

Correct Answer:

- a. False
- b. True
- c. True
- d. False
- e. True

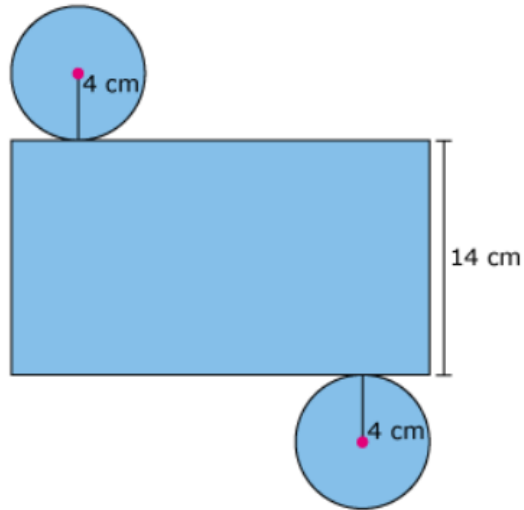
The mean radius of Earth is 6,371.0 kilometers and the mean radius of Earth's Moon is 1,737.5 kilometers. What is the approximate difference in the mean circumferences, in kilometers, of Earth and Earth's Moon? Round your answer to the nearest tenth of a kilometer.

- A 40,030.2
- B 29,113.1
- C 14,556.6
- D 10,917.0

Answer B is correct.

7.G.6

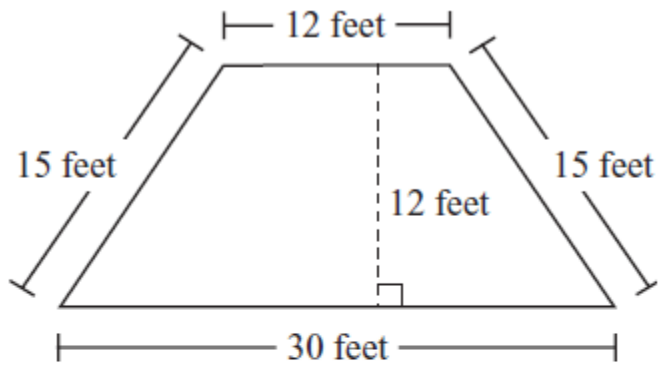
A soup company is designing a label for a new soup can. The cans are shaped like right circular cylinders as represented by the net below.



Which of the following can be used to calculate the lateral surface area in square centimeters of the can?

- $\pi(4)^2(14)$
- $2\pi(4)(14)$
- $\pi(4 + 4 + 14)$
- $2\pi(4)^2 + 2\pi(4)(14)$

Mr. Kramer's patio is in the shape of a trapezoid. The trapezoid and its dimensions are shown below.



What is the area of the patio?

- A. 144 square feet
- B. 252 square feet
- C. 315 square feet
- D. 360 square feet

Answer B is correct.