

# ☆ TRIVIA TEST ☆

1. What Is the Best Way to Paint a Rabbit?

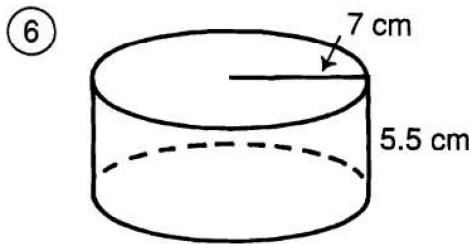
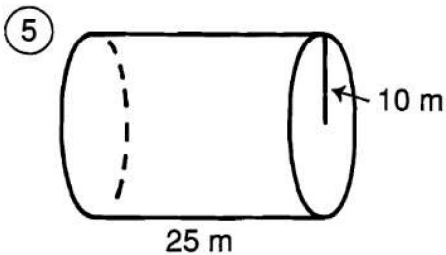
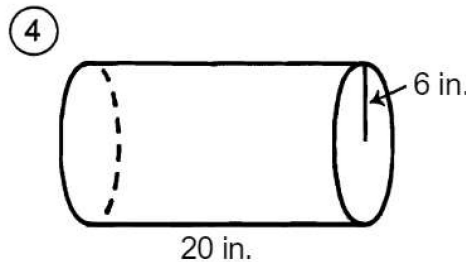
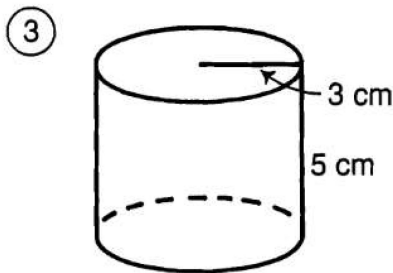
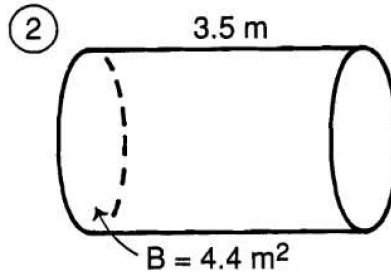
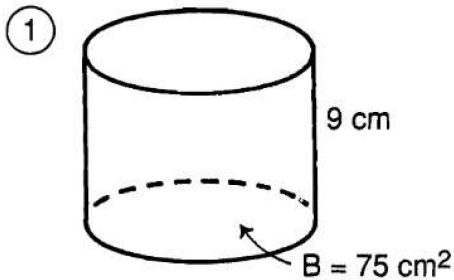
4 7 2 8 8 3 11 5 10 1 11 3 6

2. What Candy Do Kids Eat on the Playground?

11 5 9 5 10 10 1 7 5 9 5 10

Do each exercise and find your answer in the answer column. Write the letter of the answer above the exercise number each time it appears in the code. Use 3.14 for  $\pi$ .

I. Find the volume of each cylinder.



⑦  $r = 8$  in.  
 $h = 3$  in.

⑧  $r = 2.5$  mm  
 $h = 60$  mm

⑨  $d = 10$  m  
 $h = 7.2$  m

II. Solve.

⑩ Shawn is making a candle using a cylindrical mold with a radius of 2 cm and a height of 30 cm. How many cubic centimeters of wax are needed for the candle?

⑪ A mug in the shape of a cylinder has a base with a radius of 4 cm. How many milliliters of liquid does it hold if filled to a height of 9 cm?  
(Hint: 1 cm<sup>3</sup> holds 1 mL.)

## Answers

- Ⓜ 814.13 cm<sup>3</sup>
- Ⓒ 565.2 m<sup>3</sup>
- Ⓝ 381.36 mL
- Ⓐ 141.3 cm<sup>3</sup>
- Ⓑ 14.8 m<sup>3</sup>
- Ⓛ 602.88 in.<sup>3</sup>
- Ⓟ 675 cm<sup>3</sup>
- Ⓤ 7,490 m<sup>3</sup>
- ⓗ 1,177.5 mm<sup>3</sup>
- Ⓡ 452.16 mL
- Ⓦ 2,260.8 in.<sup>3</sup>
- Ⓛ 382.8 cm<sup>3</sup>
- Ⓣ 15.4 m<sup>3</sup>
- Ⓨ 846.23 cm<sup>3</sup>
- Ⓞ 717.8 in.<sup>3</sup>
- Ⓢ 376.8 cm<sup>3</sup>
- ⓖ 1,224.5 mm<sup>3</sup>
- ⓔ 7,850 m<sup>3</sup>
- ⓓ 614.2 m<sup>3</sup>