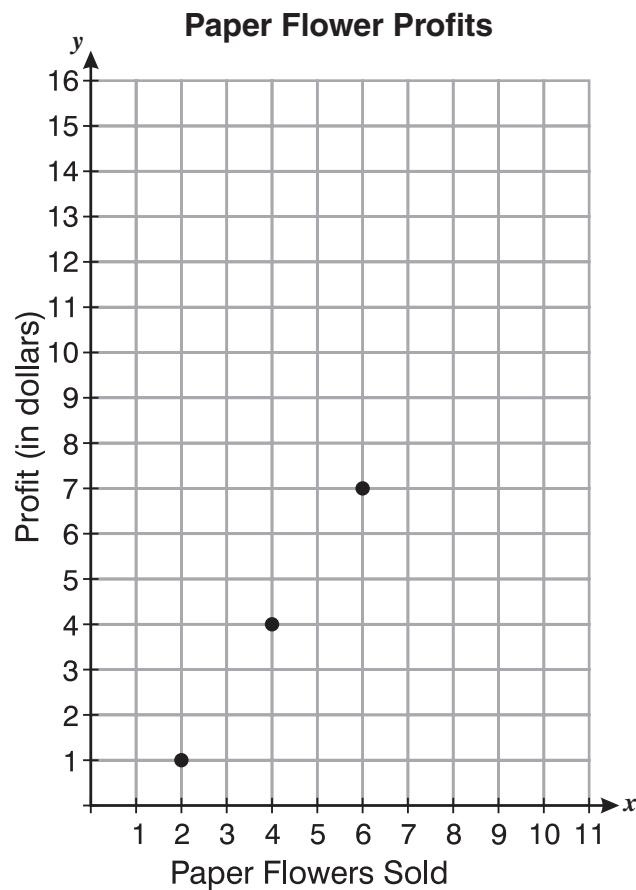


## Mathematics, Grade 6

- 33 A local charity group made paper flowers for a craft fair. The graph below shows their profit based on the number of flowers sold.

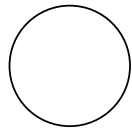


If the relationship shown by the graph continues, what would the profit be if the group sold 10 flowers?

- A. \$13
- B. \$14
- C. \$15
- D. \$16

Reporting Category for Item 33: *Patterns, Relations, and Algebra*

- 34 A new sculpture was built in a city park. The diagrams below show the top view and the side view of the sculpture.



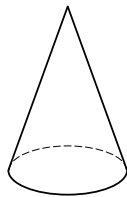
Top View



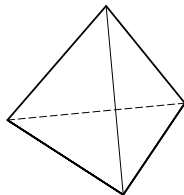
Side View

Which of the following pictures **best** shows the shape of the sculpture?

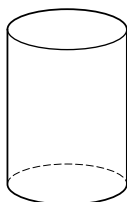
A.



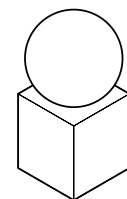
B.



C.



D.



Reporting Category for Item 34: **Geometry**

## Mathematics, Grade 6

- 35 Admission to the Basketball Hall of Fame in Springfield is \$5.00 per student. A group of students bought admission tickets. One student spent an extra \$9.00 for a poster. The total amount they spent was \$34.00. How many students were in the group?
- A. 4
  - B. 5
  - C. 6
  - D. 7

*Reporting Category for Item 35: Patterns, Relations, and Algebra*

- 36 Uri read that a bicycle tire has a radius of 30 centimeters and a diameter of 50 centimeters. How does Uri know that these measurements **cannot** be correct?
- A. The radius should be twice the diameter.
  - B. The diameter should be twice the radius.
  - C. The radius should be  $30\pi$  centimeters.
  - D. The diameter should be  $50\pi$  centimeters.

*Reporting Category for Item 36: Measurement*