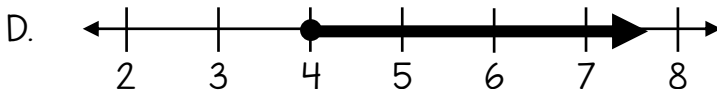
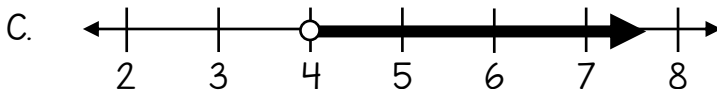
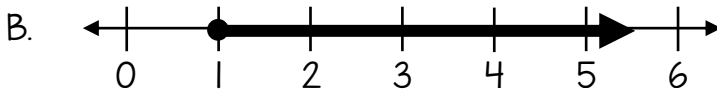
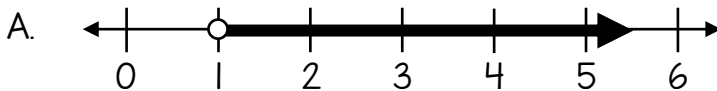


# POW 19



## PART A

Frantz must buy a minimum of \$25 of art supplies to qualify for free shipping. He bought 10 tubes of paint and an easel. Each tube of paint cost the same amount. The easel cost \$15. Which of the following number lines shows all the possible costs, in dollars, of one tube of paint if Frantz qualified for free shipping?



## PART B

The members of a tennis team have a goal of raising at least \$500 for new equipment. They have already raised \$275. The team members plan to raise more money by washing cars. They will charge \$5 for each car they wash. Let  $c$  represent the number of cars the team members will wash. Which of the following could be used to find the least number of cars they must wash to reach their goal?

- A.  $5c - 275 > 500$
- B.  $5c - 275 \geq 500$
- C.  $5c + 275 > 500$
- D.  $5c + 275 \geq 500$

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

### PART C

Amelia is saving money to buy a new skateboard. She needs at least \$85 to buy the skateboard. Amelia has \$15 saved and will save an additional \$10 per week to buy the new skateboard. The following inequality can be used to determine  $x$ , the number of weeks Amelia will have to save money before she will have enough money to buy the skateboard.

$$15 + 10x \geq 85$$

Which of the following number lines shows the solution set of the inequality?

