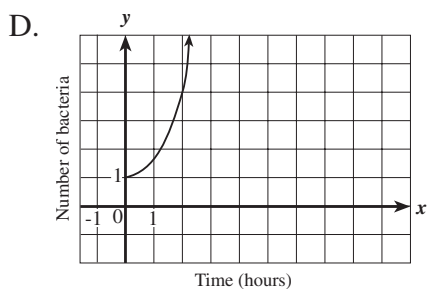
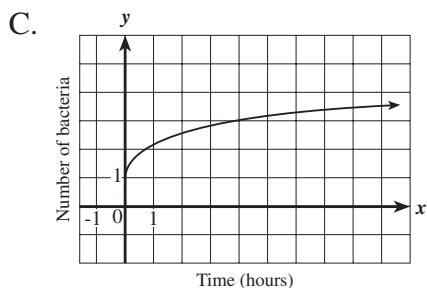
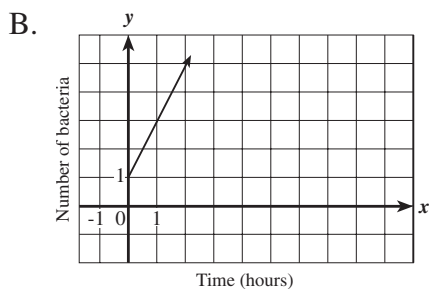
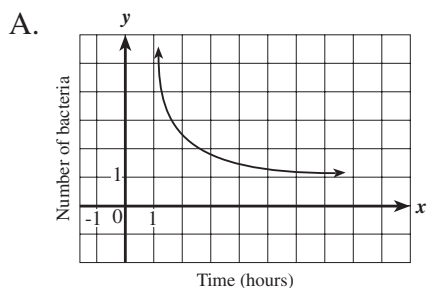


Mathematics, Grade 10

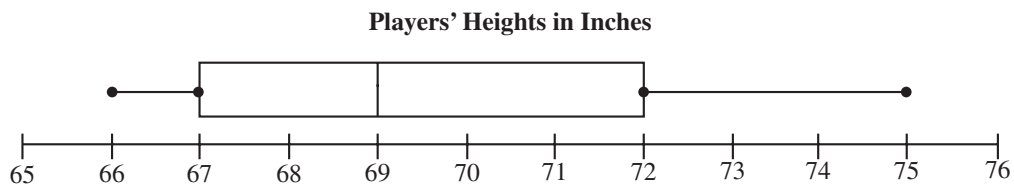
- 13** The number of bacteria in a culture doubles each hour. Which graph below **best** represents this situation?



Reporting Category for Item 13: *Patterns, Relations, and Algebra*

Mathematics, Grade 10

- 14 The heights of the 20 players on a school soccer team are recorded in the box-and-whisker plot shown below.



Based on the information given in the box-and-whisker plot, which of the following statements is true?

- A. The mean height of the team is 69 inches.
- B. Half the players' heights are between 67 and 72 inches.
- C. The shortest player on the team is 67 inches.
- D. The range of heights of players on the team is 5 inches.

Reporting Category for Item 14: Data Analysis, Statistics, and Probability

Session 1, Short-Answer Questions



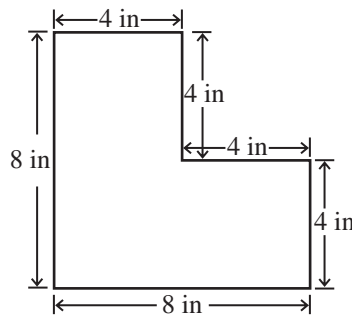
- 15 Solve the following equation for x .

$$3x - (2x - 3) = 2x + 9$$

Reporting Category for Item 15: *Patterns, Relations, and Algebra*

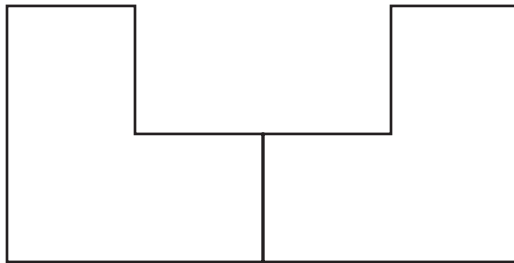
- 16 Geoffrey is building a patio. The floor of his patio will be made of bricks. The diagram below shows the shape of each brick.

One Brick



Geoffrey can combine two bricks side-by-side to make different shapes. An example of one combination of two bricks is shown below.

Two Bricks



What combination of two bricks would have the **smallest** base perimeter?
Draw this combination in your Student Answer Booklet.

Reporting Category for Item 16: *Measurement*