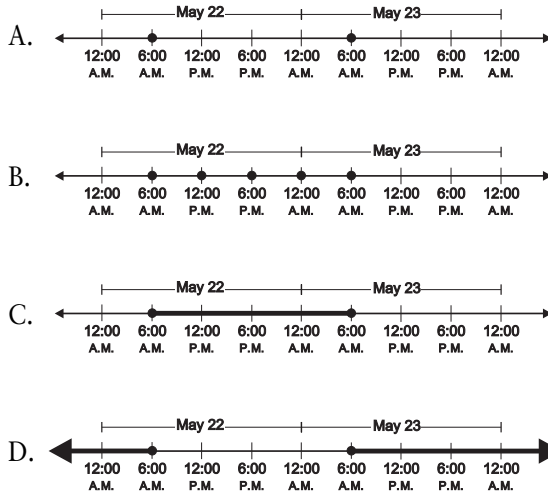


# Mathematics, Grade 8

## Session 2, Multiple-Choice Questions

13. NASA says conditions will be right for launching the space shuttle from 6:00 A.M. on May 22 to 6:00 A.M. on May 23. Which graph shows when the shuttle can be launched?



Reporting Category/Substrand for Item 13: *Patterns, Relations, and Functions/Patterns and Functions* (p. 143)

14. Which expression tells how much money a shopper has left if  $x$  represents the amount the shopper started with and  $s$  represents the amount spent?

- A.  $s - x$
- B.  $s + x$
- C.  $x \div s$
- D.  $x - s$

Reporting Category/Substrand for Item 14: *Patterns, Relations, and Functions/Algebra* (p. 143)

## Mathematics, Grade 8

15. The following shows the first five rows of Pascal's triangle.

Row 1:           1  
Row 2:           1 1  
Row 3:           1 2 1  
Row 4:           1 3 3 1  
Row 5:           1 4 6 4 1

Which of the following represents the 8th row?

- A. 1 7 21 35 35 21 7 1
- B. 1 7 21 35 21 7 1
- C. 1 5 5 10 10 5 5 1
- D. 1 5 10 10 5 1

*Reporting Category/Substrand for Item 15: **Patterns, Relations, and Functions/Patterns and Functions (p. 143)***

16. A bag contains 2 blue, 6 black, and 4 white socks. Paula is going to draw out a sock without looking in the bag. What is the probability that she will draw either a blue or a black sock?

- A.  $\frac{1}{6}$
- B.  $\frac{1}{3}$
- C.  $\frac{1}{2}$
- D.  $\frac{2}{3}$

*Reporting Category/Substrand for Item 16: **Statistics and Probability/Probability (p. 145)***