

## Mathematics, Grade 8

- 13 Marisa saved \$500 to spend on a vacation. She will spend about \$45 per day on her vacation, and she must have \$70 left to pay for her bus ride home. Which of the following inequalities **best** represents the possible numbers of days,  $d$ , Marisa could be on vacation?

- A.  $\$500 - (\$45 d) \geq \$70$
- B.  $\$500 - (\$45 d) \leq \$70$
- C.  $\$500 - (\$70 d) \geq \$45$
- D.  $\$500 - (\$70 d) \leq \$45$

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

- 14 What is the value of  $-2[x - 2(x - y)]$  when  $x = -3$  and  $y = 7$ ?

- A.  $-100$
- B.  $-34$
- C.  $34$
- D.  $27$

Reporting Category for Item 14: *Patterns, Relations, and Algebra*

- 15 A bag contains 3 blue, 4 red, and 2 white marbles. Karin is going to draw out a marble without looking in the bag. What is the probability that she will **not** draw a red marble?

- A.  $\frac{1}{3}$
- B.  $\frac{5}{9}$
- C.  $\frac{2}{3}$
- D.  $\frac{4}{9}$

Reporting Category for Item 15: *Data Analysis, Statistics, and Probability*

