

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*

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16 Compute:

$$10 - (3)^2 + (-3) \times 2$$

- A. -5
- B. 4
- C. -2
- D. 2

Reporting Category for Item 16: Number Sense and Operations