

- 1 If Mark (m) is 8 years older than Susan (s), which expression represents Mark's age?
- A $m - 8$
 - B $s - 8$
 - C $8s$
 - D $8 + s$
- 2 Randy has \$25 and is going to buy T-shirts that cost \$8 each. Which expression shows how much money he will have left after buying a certain amount of T-shirts?
- A $\frac{\$25}{\$8s}$
 - B $\$25 - \$8s$
 - C $\$8s - \25
 - D $\$8s + 25$
- 3 Which phrase best represents the following?
- "Six times the quantity of four plus a number"
- A $6n + 4$
 - B $6(4 + n)$
 - C $4n + 6$
 - D $6(4) + n$
- 4 What is the value of $\frac{c^2 + 6}{c^2 - 6}$ when $c = -3$?
- A -1
 - B $\frac{1}{5}$
 - C -5
 - D 5

5 What is the value of $\frac{3ab}{2c^2}$ when $a = 3$, $b = 5$, and $c = -2$?

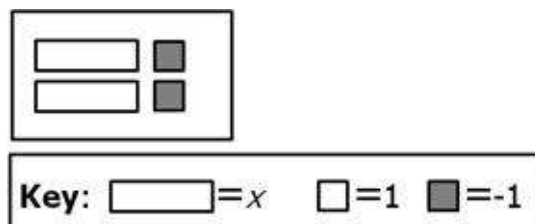
A $2\frac{13}{18}$

B -90

C $-5\frac{5}{8}$

D $5\frac{5}{8}$

6 Look at the model.



Which expression is represented in the model?

A $6x - 2$

B $x + 1$

C $2x + 2$

D $2x - 2$

7 Jane has twice as much money as Tom. If Tom has m dollars, how much money does Jane have?

A $2m$

B $m - 2$

C $\frac{m}{2}$

D $m + 2$

8 Given the expression "6 more than twice a number", what is the value of the expression if the number is equal to 5?

A 10

B 13

C 16

D 5

- 9 Susan is 3 years more than twice her brother's age. If her brother is m years old, which expression describes Susan's age?
- A $3 - 2m$
 - B $2m - 3$
 - C $2m + 3$
 - D $3m - 3$

- 10 Directions: Type your answer in the box.

Look at the expression.

$$k(a - x)^3$$

The expression shown can be interpreted as the product of $(a - x)^3$ and —