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## Skills Maintenance

Basic Facts With Variables

## Activity 1

Solve the basic facts. Write the answer above the variable.

1. $4+7=m$
2. $x-6=9$
3. $y \cdot 4=36$
4. $8 \div s=2$
5. $7 \cdot t=42$
6. $z+8=17$
7. $15-7=k$
8. $b \div 9=9$
9. $h \cdot q=27$
10. $7+7=v$
11. $w \cdot 8=32$
12. $18-9=d$
$\qquad$
$\qquad$

## $\stackrel{\%}{=} \div$ Apply Skills <br> Substitution

## Activity 1

Substitute the value for the variable that makes each statement true.

1. What is the value of $x$ in $x+12=17$ ?
$x=$ $\qquad$
2. What is the value of $a$ in $a \cdot 7=56$ ?
$a=$ $\qquad$
3. What is the value of $b$ in $45 \div 9=b$ ?
$b=$ $\qquad$
4. What is the value of $z$ in $27-z=18$ ?
$z=$ $\qquad$
5. What is the value of $w$ in $39+47=w$ ?
$w=$ $\qquad$
6. What is the value of $d$ in $d-25=25$ ? $\quad d=$ $\qquad$
7. What is the value of $y$ in $5 \cdot y=35$ ? $y=$ $\qquad$
$\qquad$
$\qquad$

## Activity 2

Substitute values for the variables in the general statements and tell if the statements are true or false.

1. $x+y+z=y+z+x \quad$ Substitute $x=5, y=6$ and $z=10$.


Is the statement true or false? $\qquad$
2. $x \cdot y \cdot z=z \cdot x \cdot y \quad$ Substitute $x=5, y=6$ and $z=10$.


Is the statement true or false? $\qquad$
3. $w \cdot 0=w \quad$ Substitute $w=12$.


Is the statement true or false? $\qquad$
4. $0+d=0 \quad$ Substitute $d=\frac{3}{4}$.


Is the statement true or false? $\qquad$
5. $0 \cdot g=0 \quad$ Substitute $g=2.7$.

$$
0 . \begin{aligned}
& g \\
& \downarrow
\end{aligned}
$$

$$
0 \cdot \square=0
$$

Is the statement true or false? $\qquad$
$\qquad$

## $\equiv$ <br> Problem-Solving Activity

## Pattern Cards

Look at the set of pattern cards. Cards 1 and 2 have stars and triangles, but Card 3 has only triangles. Analyze the pattern in Cards 1 and 2 and tell how many stars there should be on Card 3. Then answer the questions.


1. What is the general pattern? $\qquad$
2. How many stars should go in Card 3? $\qquad$
3. How did you solve the problem?
$\qquad$
$\qquad$
$\qquad$
$\qquad$
4. Suppose you were asked to draw Card 4. Use the general pattern and substitution to demonstrate what Card 4 will look like.

## mBook Reinforce Understanding

Use the mBook Study Guide to review lesson concepts.

