Getting Ready for High-Stakes Assessments

Practice Test

4.OA.A.2

For the four operations with whole numbers on the next page.

Name __________________________

1. Ursula bought 9 dozen rolls of first-aid tape for the health office. The rolls were divided equally into 4 boxes. How many rolls are in each box?

27 rolls

2. There are 112 seats in the school auditorium. There are 7 seats in each row. There are 70 people seated, filling up full rows of seats. How many rows are empty?

6 rows

3. Last weekend, Mandy collected 4 times as many shells as Cameron. Together, they collected 40 shells. How many shells did Mandy collect? Write an equation and solve.

5 \times n = 40

n = 8

4 \times 8 = 32

Mandy collected 32 shells.

4. The soccer team sells 72 bagels with cream cheese for $2 each during a bake sale. The coach wants to use the bake sale money to buy socks for the 14 players at $6 a pair. If the coach spends all of the money on socks, how many extra pairs of socks will he have? Explain how you found your answer.

10 extra pairs; Possible explanation: First, I found the

total amount raised selling bagels with cream cheese:

$2 \times 72 = $144. Then, I found how many pairs of socks the coach could buy with the money: $144 \div $6 = 24 pairs.

Finally, I subtracted the number of players from the number


5. Chad bought 8 dozen note pads for his office. The note pads were divided equally into 6 boxes. How many note pads are in each box?

16 note pads

6. There are 126 seats in a meeting room. There are 9 seats in each row. There are 80 people seated, filling up full rows of seats. How many rows are empty?

4 rows

7. The number of gray pigeons on a wire is 6 times the number of white pigeons. Choose one expression from each column to create an equation that compares the number of gray pigeons (g) and white pigeons (w).

\[
\begin{array}{c}
\text{g} - 6 \\
6g \\
g \\
g - 6 \\
\text{w}
\end{array}
\]

Possible answers: \( g = 6w; g - 6 - w \)

8. The number of ash trees on a tree farm is 5 times the number of pine trees. Choose one expression from each column to create an equation that compares the number of ash trees (a) and pine trees (p).

\[
\begin{array}{c}
a - 5 \\
5a \\
a \\
a + 5 \\
p
\end{array}
\]

Possible answers: \( a = 5p; a - 5 = p \)