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## Benchmark Test 3 (Chapters 8-10)

## Read each question. Fill in the correct answer.

1. Bae jumps rope 3 times each week. Which expression shows the total number of times Bae jumps rope? The variable $w$ stands for the unknown.
(A) $3+w$
$3 \times w$
(C) $w \div 3$
(D) $w-3$
2. Lauren cleans horse stables for 2 hours each weekend. How many hours did Lauren clean stables after 7 weekends?
(F) 5 hours
(C) 9 hours
(1) 16 hours
3. Angie cut a clay block into 4 equal parts. She used 3 parts to make a clay rabbit. What fraction of the clay block did Angie use?

(A) $\frac{1}{4}$
(B) $\frac{2}{4}$

- $\frac{3}{4}$
(D) $\frac{4}{4}$

4. Which number makes the number sentence true?
$4 \times(3 \times 2)=(4 \times \square) \times 2$
(F) 2

3
(H) 4
(1) 24
5. Sierra made 21 pieces of corn bread for a picnic. Each pan makes 7 pieces of corn bread. How many pans did Sierra use?

3 pans
(B) 4 pans
(C) 14 pans
(D) 28 pans
$\qquad$

## Benchmark Test 3 (continued)

6. Dore earned $\$ 16$ feeding cats last month. He walked dogs 6 days for $\$ 8$ each day. How much did Dore earn last month feeding cats and walking dogs?

Use the equation to solve the problem. The letter $x$ stands for the unknown.
$16+(8 \times 6)=x$
\$64
(C) $\$ 54$
(H) $\$ 48$
(I) $\$ 30$
7. Chandra unwrapped 9 boxes of water glasses. Each box holds 6 glasses. How many water glasses are there altogether?
(A) 15 water glasses
(B) 36 water glasses
(C) 45 water glasses

54 water glasses
8. Which fraction is equivalent to $\frac{3}{4}$ ?

| $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ |
| :---: | :---: | :---: | :---: |


| $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

(F) $\frac{4}{8}$
(C) $\frac{5}{8}$

- $\frac{6}{8}$
(1) $\frac{7}{8}$

9. Which fraction describes the figure?

(A) $\frac{1}{8}=1$
(B) $\frac{8}{1}=8$
( $\frac{8}{8}=1$
(D) $\frac{8}{8}=8$
10. Which shows how to use the Distributive Property to find the product of $8 \times 7$ ?
$8 \times 7=(8 \times 5)+(8 \times 2)$
(C) $8 \times 7=(8 \times 5) \times(8 \times 2)$
(H) $8 \times 7=(8+5) \times(8+2)$
(I) $8 \times 7=(8+5)+(8+2)$
$\qquad$

## Benchmark Test 3 (continued)

11. Coach Vaughn divided 63 students equally into 9 teams. How many students are on each team?
(A) 6 students

7 students
(C) 8 students
(D) 9 students
12. Which fraction is represented by point $D$ on the number line?

(F) $\frac{1}{6}$
(C) $\frac{2}{6}$
(H) $\frac{4}{6}$

- $\frac{5}{6}$

13. Dannie ran some miles on Monday. She ran 2 times as many miles on Tuesday, plus 3 more. The variable $m$ stands for the unknown. How many miles did Dannie run on Tuesday?

Evaluate the expression if $m=3$.
$m \times 2+3$
(A) 2 miles

9 miles
(C) 12 miles
(D) 15 miles
14. Pablo used the Associative Property to multiply $9 \times 2 \times 5$.

$$
9 \times(2 \times 5)
$$

What is the product?
90
(C) 80
(H) 58
(I) 23
15. What fraction of the party hats has stripes?

(A) $\frac{1}{4}$
(B) $\frac{3}{8}$
(C) $\frac{2}{4}$

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


## Benchmark Test 3 (continued)

16. An ant has 6 legs. How many legs do 8 ants have?
(F) 14 legs
(G) 32 legs
(H) 40 legs

48 legs
17. There are some goats and 5 pigs in a petting zoo. There are 15 animals in all. Which equation can Tina use to find the number of goats if the letter $g$ stands for the unknown?
$g+5=15$
(B) $g \times 5=15$
(C) $g \div 5=15$
(D) $g-5=15$
18. Matthew is comparing fractions. Which comparison is true?
(F) $\frac{2}{6}=\frac{3}{6}$
(C) $\frac{2}{6}>\frac{3}{6}$
(H) $\frac{2}{6}>\frac{2}{4}$
$\frac{2}{6}<\frac{2}{3}$
19. Which equation describes the set of wholes?

(A) $\frac{1}{3}=1$
( $\frac{3}{1}=3$
(C) $\frac{3}{3}=1$
(D) $\frac{3}{3}=3$
20. Mrs. Jenks places 72 cookies equally on 9 plates. How many cookies are on each plate?

8 cookies
(G) 9 cookies
(H) 64 cookies
(1) 80 cookies

