

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) $3 + w$
(B) $3 \times w$
(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
(G) 9 hours
(H) 14 hours
(I) 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) $\frac{2}{4}$
(C) $\frac{3}{4}$
(D) $\frac{4}{4}$

4. Which number makes the number sentence true?

$$4 \times (3 \times 2) = (4 \times \blacksquare) \times 2$$

(F) 2
(G) 3
(H) 4
(I) 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?

(A) 3 pans
(B) 4 pans
(C) 14 pans
(D) 28 pans

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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.

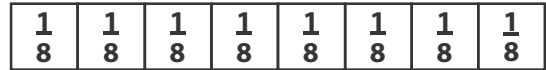
$$16 + (8 \times 6) = x$$

- (F) \$64
- (G) \$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?

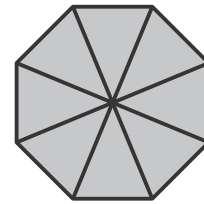
- (A) 15 water glasses
- (B) 36 water glasses
- (C) 45 water glasses
- (D) 54 water glasses

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



- (F) $\frac{4}{8}$
- (G) $\frac{5}{8}$
- (H) $\frac{6}{8}$
- (I) $\frac{7}{8}$

9. Which fraction describes the figure?



- (A) $\frac{1}{8} = 1$
- (B) $\frac{8}{1} = 8$
- (C) $\frac{8}{8} = 1$
- (D) $\frac{8}{8} = 8$

10. Which shows how to use the Distributive Property to find the product of 8×7 ?

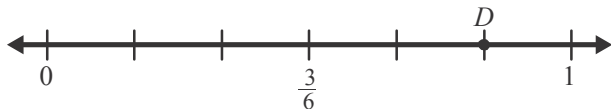
- (F) $8 \times 7 = (8 \times 5) + (8 \times 2)$
- (G) $8 \times 7 = (8 \times 5) \times (8 \times 2)$
- (H) $8 \times 7 = (8 + 5) \times (8 + 2)$
- (I) $8 \times 7 = (8 + 5) + (8 + 2)$

Benchmark Test 3 *(continued)*

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

- (A) 6 students
- (B) 7 students
- (C) 8 students
- (D) 9 students

12. Which fraction is represented by point *D* on the number line?



- (F) $\frac{1}{6}$
- (G) $\frac{2}{6}$
- (H) $\frac{4}{6}$
- (I) $\frac{5}{6}$

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
- (B) 9 miles
- (C) 12 miles
- (D) 15 miles

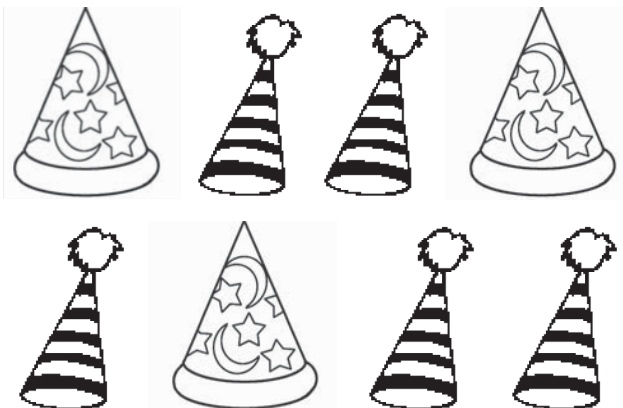
14. Pablo used the Associative Property to multiply $9 \times 2 \times 5$.

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

What is the product?

- (F) 90
- (G) 80
- (H) 58
- (I) 23

15. What fraction of the party hats has stripes?



- (A) $\frac{1}{4}$
- (B) $\frac{3}{8}$
- (C) $\frac{2}{4}$
- (D) $\frac{5}{8}$

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
- (I) 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?

- (A) $g + 5 = 15$
- (B) $g \times 5 = 15$
- (C) $g \div 5 = 15$
- (D) $g - 5 = 15$

18. Matthew is comparing fractions. Which comparison is true?

- (F) $\frac{2}{6} = \frac{3}{6}$
- (G) $\frac{2}{6} > \frac{3}{6}$
- (H) $\frac{2}{6} > \frac{2}{4}$
- (I) $\frac{2}{6} < \frac{2}{3}$

19. Which equation describes the set of wholes?



- (A) $\frac{1}{3} = 1$
- (B) $\frac{3}{1} = 3$
- (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?

- (F) 8 cookies
- (G) 9 cookies
- (H) 64 cookies
- (I) 80 cookies

