

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?

$$4 \times (3 \times 2) = (4 \times \text{■}) \times 2$$

☐ (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

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
☐ (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
☐ 54 water glasses

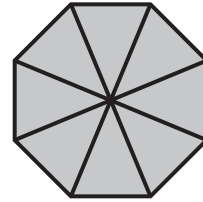
8. Which fraction is equivalent to $\frac{3}{4}$?

$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
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$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
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- ☐ (F) $\frac{4}{8}$
☐ (G) $\frac{5}{8}$
☒ $\frac{6}{8}$
☐ (I) $\frac{7}{8}$

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 8×7 ?

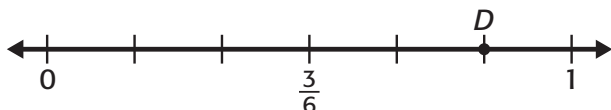
- ☒ $8 \times 7 = (8 \times 5) + (8 \times 2)$
☐ (G) $8 \times 7 = (8 \times 5) \times (8 \times 2)$
☐ (H) $8 \times 7 = (8 + 5) \times (8 + 2)$
☐ (I) $8 \times 7 = (8 + 5) + (8 + 2)$

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

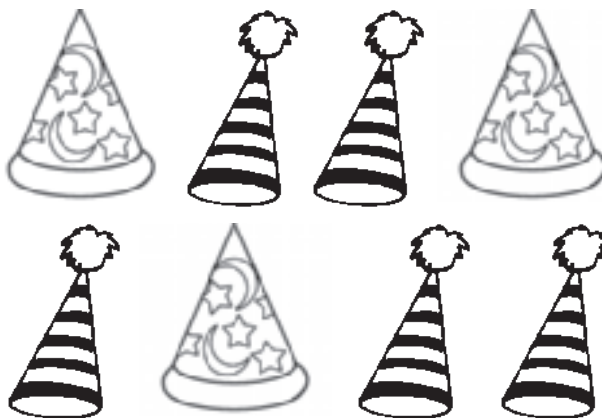
- 14.** Pablo used the Associative Property to multiply $9 \times 2 \times 5$.

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

What is the product?

☒ (A) 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?

☐ Ⓕ 14 legs
☐ Ⓖ 32 legs
☐ Ⓗ 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?

☒ $g + 5 = 15$
☐ Ⓑ $g \times 5 = 15$
☐ Ⓒ $g \div 5 = 15$
☐ Ⓓ $g - 5 = 15$

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

☐ Ⓕ $\frac{2}{6} = \frac{3}{6}$
☐ Ⓖ $\frac{2}{6} > \frac{3}{6}$
☐ Ⓗ $\frac{2}{6} > \frac{2}{4}$
☒ $\frac{2}{6} < \frac{2}{3}$

- 19.** Which equation describes the set of wholes?



☐ Ⓐ $\frac{1}{3} = 1$
☒ $\frac{3}{1} = 3$
☐ Ⓒ $\frac{3}{3} = 1$
☐ Ⓓ $\frac{3}{3} = 3$

- 20.** Mrs. Jenks places 72 cookies equally on 9 plates. How many cookies are on each plate?

☒ 8 cookies
☐ Ⓖ 9 cookies
☐ Ⓗ 64 cookies
☐ Ⓘ 80 cookies