

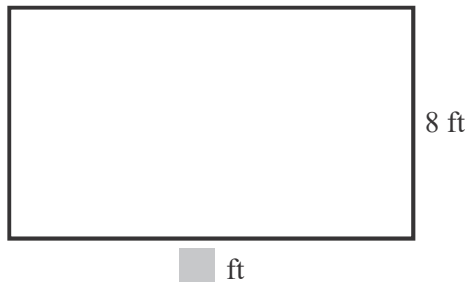
Benchmark Test 4 (Chapters 1-14)

Read each question. Fill-in the correct answer.

1. An online music store had an average of 1,462 downloads each hour for 6 hours. How many downloads did the music store have in all?

(A) 8,772 downloads
(B) 8,762 downloads
(C) 8,472 downloads
(D) 6,762 downloads

2. The fabric wall hanging has an **area** of 112 square feet. The width is 8 feet. What is the length?



(F) 14 feet
(G) 28 feet
(H) 30 feet
(I) 48 feet

3. Which is 8,903 written in expanded form?

(A) $800 + 90 + 3$
(B) $800 + 90 + 10 + 3$
(C) $8,000 + 90 + 3$
(D) $8,000 + 900 + 3$

4. Pia needs $\frac{3}{4}$ yard of fabric to cover a bench. Which amount of fabric is greater than $\frac{3}{4}$ yard?

(F) $\frac{7}{12}$ yard
(G) $\frac{2}{3}$ yard
(H) $\frac{1}{2}$ yard
(I) $\frac{5}{6}$ yard

5. An amusement park had 8,439 visitors on Friday. It had 9,904 visitors on Saturday. Rounding to the nearest thousand, about how many visitors did the park have altogether?

(A) 16,000 visitors
(B) 17,000 visitors
(C) 18,000 visitors
(D) 20,000 visitors

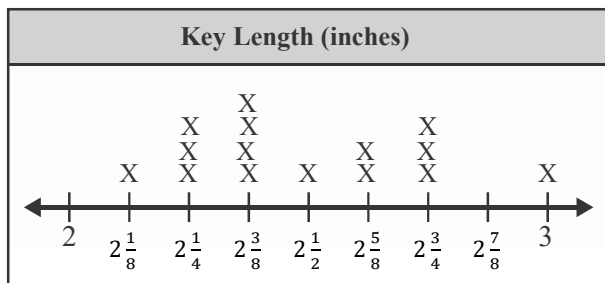
Benchmark Test 4 *(continued)*

6. What is the value of the expression?

$$(21 - 3) + (5 \times 2)$$

- (F) 180
- (G) 46
- (H) 30
- (I) 28

7. Ginna's class measured the lengths of keys. Ginna displayed the data in a line plot.



What is the combined length of the shortest key and the longest key?
(Add the lengths – not the x's)

- (A) $5\frac{1}{8}$ inches
- (B) $\frac{7}{8}$ inch
- (C) 5 inches
- (D) $1\frac{5}{8}$ inch

8. Choose the fraction in lowest terms for

$\frac{12}{18}$

- A. $\frac{2}{3}$
- B. $\frac{6}{9}$
- C. $\frac{4}{6}$
- D. $\frac{1}{8}$

9. What is the place value of the digit 2 in 126,493?

- (A) 200
- (B) 2,000
- (C) 20,000
- (D) 200,000

10. Samson Park issued 18,632 hiking permits this year. It issued 18,777 permits last year. How many permits did it issue in all?

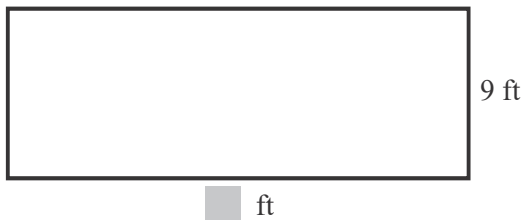
- (F) 26,309 permits
- (G) 37,409 permits
- (H) 36,409 permits
- (I) 36,309 permits

Benchmark Test 4 (continued)

11. Choose a fraction that is $\frac{6}{24}$ in lowest terms.

- A. $\frac{4}{6}$
- B. $\frac{4}{1}$
- C. $\frac{1}{4}$
- D. $\frac{1}{24}$

12. The area of a tablecloth is 108 square feet. The width is 9 feet. What is the **perimeter** of the tablecloth?



- Ⓕ 12 feet
- Ⓖ 21 feet
- Ⓗ 42 feet
- Ⓘ 81 feet

13. There are 100 tissues in a box. How many tissues are in 6 boxes?

- Ⓐ 60 tissues
- Ⓑ 106 tissues
- Ⓒ 600 tissues
- Ⓓ 6,000 tissues

14. Sara is practicing words for a spelling bee. She practiced 5 words on Monday. She plans to practice 2 times as many words each day as the previous day. How many total words will she practice each day for the next four days?

- Ⓕ 10, 15, 20, 25
- Ⓖ 10, 20, 30, 40
- Ⓗ 10, 20, 40, 60
- Ⓘ 10, 20, 40, 80

15. Mrs. Hammond ordered an equal number of T-shirts in 3 different sizes. If she ordered 600 T-shirts, how many of each size did she order?

- Ⓐ 20 T-shirts
- Ⓑ 200 T-shirts
- Ⓒ 1,800 T-shirts
- Ⓓ 2,000 T-shirts

Benchmark Test 4 (continued)

16. Compare fractions.

Choose $<$, $=$, $>$.

$$\frac{3}{5} \quad \underline{\hspace{1cm}} \quad \frac{4}{12}$$

A. $<$

B. $=$

C. $>$

17. Choose the least common multiple (LCM) of 2, 3, and 9.

A. 27

B. 18

C. 12

D. 2

18. A store ordered 57 boxes of puzzles for a tent sale. There are 18 puzzles in each box. About how many puzzles did the store order in all?

- Ⓕ 120 puzzles
- Ⓖ 600 puzzles
- Ⓗ 1,000 puzzles
- Ⓘ 1,200 puzzles

19. Davi has 5 times as many hats as Kwan. Davi has 20 hats. Which can be used to find the number of hats Kwan has?

- Ⓐ $5 + h = 20; h = 15$
- Ⓑ $5 \times h = 20; h = 4$
- Ⓒ $5 \times 20 = h; h = 100$
- Ⓓ $5 + 20 = h; h = 25$

20. Mr. Tate equally divided 64 screws into 4 drawers of a tool chest. How many screws are in each drawer?

- Ⓕ 13 screws
- Ⓖ 14 screws
- Ⓗ 16 screws
- Ⓘ 18 screws

Benchmark Test 4 *(continued)*

21. Pet Care gave 560,423 bowls of food to animal shelters this year. This was 214,975 more bowls than the previous year. How many total bowls of food did Pet Care give to animal shelters?

- (A) 345,448 bowls
- (B) 775,398 bowls
- (C) 805,861 bowls
- (D) 905,871 bowls

22. In a survey on the heaviest zoo animal, $\frac{2}{8}$ of Caesar's class voted for rhinoceros and $\frac{5}{8}$ voted for elephant. What fraction of the class voted for either a rhinoceros or an elephant as the heaviest animal? (ie. How many votes in all?)

- (F) $\frac{1}{8}$
- (G) $\frac{3}{8}$
- (H) $\frac{7}{16}$
- (I) $\frac{7}{8}$

23. Which rule describes the pattern?

45, 47, 46, 48, 47, 49, 48

- (A) add 2
- (B) subtract 1
- (C) add 2, then subtract 1
- (D) subtract 1, then add 2

24. For the improper fraction below, choose the equivalent mixed number in simplest form.

$\frac{92}{8}$

- A. $11 \frac{1}{8}$
- B. $11 \frac{7}{8}$
- C. $11 \frac{4}{8}$
- D. $11 \frac{1}{2}$

Divide.

$1845 \div 9$

- A. 250
- B. 205
- C. 2500

Benchmark Test 4 (continued)

26. Find the value of the expression:

$$14 - 3 \times 4$$

- A. 2
- B. 26
- C. 40
- D. 44

27. Estimate the product.

$$42 \times 38 =$$

- A. 1500
- B. 1600
- C. 1200

28. Find the value of y , when $x = 4$

$$(x + 4) \times 5 = y$$

- A. 4
- B. 35
- C. 24
- D. 40

29. Estimate the quotient. Use compatible numbers.

$$\$3,511 \div 6$$

- A. 400
- B. 60
- C. 600

30. It takes Mars 687 days to orbit the Sun. How long does it take Mars to orbit the Sun 9 times?

- (F) 5,423 days
- (G) 5,983 days
- (H) 6,073 days
- (I) 6,183 days

GO ON ►

Benchmark Test 4 (continued)

31. Using Order of Operations (PEMDAS) solve the expression.

$$(4 + 20) \div 2 + 6$$

- A. 4
- B. 3
- C. 18
- D. 10

-
32. Find the sum in simplest form.

$$4 \frac{1}{4} + 2 \frac{2}{4}$$

- A. $6 \frac{1}{2}$
- B. $8 \frac{3}{4}$
- C. $6 \frac{3}{4}$
- D. $6 \frac{1}{4}$

33. Divide.

$$826 \div 4$$

- A. 260 R2
- B. 206 R2
- C. 106 R2
- D. 205 R4

-
34. Lexi sent an average of 17 text messages each day for 68 days. How many text messages did Lexi send altogether?

- F 746 text messages
- G 1,106 text messages
- H 1,146 text messages
- I 1,156 text messages

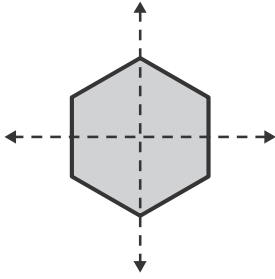
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35. Which statement is true?

- A $143,670 > 143,681$
- B $246,029 < 245,984$
- C $304,789 > 304,799$
- D $479,199 < 479,201$

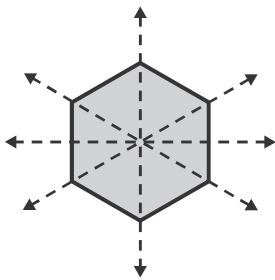
Benchmark Test 4 *(continued)*

36. Which shows all of the lines of symmetry for a hexagon?

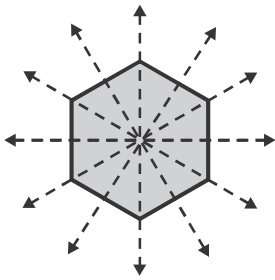
(F)



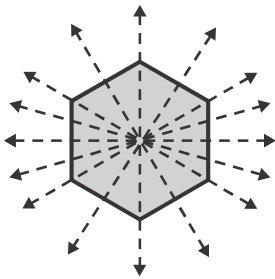
(G)



(H)



(I)



37. Jade learned the meaning of 3 new words each week for 41 weeks. How many new words did Jade learn altogether?

- (A) 132 words
- (B) 123 words
- (C) 44 words
- (D) 38 words

38. A school office is dividing 336 boxes of chalk equally among 8 classrooms. How many boxes of chalk will each classroom get?

- (F) 40 boxes
- (G) 42 boxes
- (H) 43 boxes
- (I) 45 boxes

39. Find the sum in simplest form.

$$12 \frac{5}{10} + 6 \frac{1}{10}$$

- A. $18 \frac{6}{10}$
- B. $6 \frac{6}{10}$
- C. $18 \frac{3}{5}$
- D. $18 \frac{1}{10}$

40. A surf shop earned \$46,998 its first year. The shop earned \$59,643 the second year. How much more did the shop earn the second year?

- (F) \$12,645
- (G) \$12,755
- (H) \$13,655
- (I) \$13,765

Benchmark Test 4 *(continued)*

41. Makalu is listed as the fifth tallest mountain in the world. It is 27,838 feet high. What is this number written in word form?

- Ⓐ twenty-seven, eight hundred, thirty-eight
- Ⓑ twenty-seven, eight thirty-eight
- Ⓒ twenty-seven thousand, eighty-three hundred, eight
- Ⓓ twenty-seven thousand, eight hundred, thirty-eight

42. The equation shown in the table can be used to find the output when the input is 2, 4, and 6.

$6 + (8 - x) \div 2 = y$	
Input (x)	Output (y)
2	
4	
6	

Which numbers complete the table?

- Ⓕ 6, 5, 4
- Ⓖ 8, 9, 10
- Ⓗ 9, 8, 7
- Ⓘ 14, 12, 10

43. Find the difference.

$$6 \frac{1}{4} - 4 \frac{2}{4}$$

- A. $2 \frac{1}{4}$
- B. $2 \frac{3}{4}$
- C. $1 \frac{3}{4}$
- D. $1 \frac{1}{4}$

44. At a botanical garden, there are 1,414 rose bushes divided equally into 7 different rose gardens. How many rose bushes are in each garden?

- Ⓕ 22 rose bushes
- Ⓖ 202 rose bushes
- Ⓗ 220 rose bushes
- Ⓘ 222 rose bushes

