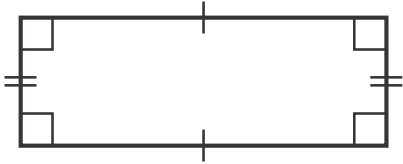


Benchmark Test 4 *(Chapters 1–12)*

Read each question. Fill in the correct answer.

1. What are all of the ways in which the figure can be classified?



- Ⓐ quadrilateral, parallelogram
- Ⓑ quadrilateral, parallelogram, square, rectangle
- Ⓒ quadrilateral, parallelogram, square, rhombus, rectangle
- Ⓓ quadrilateral, parallelogram, rectangle

2. $6,496 + 3,288 =$

3. A company assembles marble bags with 18 marbles to a bag. About how many bags does the company need for 730 marbles?
- Ⓐ 80 bags
 - Ⓑ 50 bags
 - Ⓒ 40 bags
 - Ⓓ 30 bags

4. Erin hiked 5.6 miles in the morning and 4.25 miles in the afternoon. How many miles did she hike in all?

- Ⓕ 1.35 miles
- Ⓖ 1.45 miles
- Ⓗ 9.31 miles
- Ⓘ 9.85 miles

5. The most visitors to Yosemite National Park in one year is 4,190,557. What is the value of the digit 9 in this number?

- Ⓐ 900,000
- Ⓑ 90,000
- Ⓒ 900
- Ⓓ 90

6. A deli made \$1,080 on 24 deluxe platters. How much money would the deli make on 35 deluxe platters?

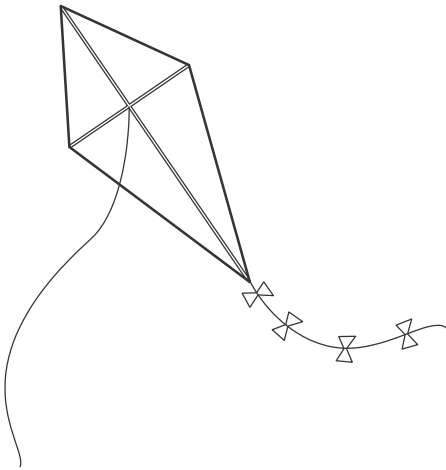
- Ⓕ \$1,575
- Ⓖ \$1,555
- Ⓗ \$1,475
- Ⓘ \$1,455

GO ON ►

Benchmark Test 4 *(continued)*

7. $98,455 + 14,789 =$

8. A kite maker uses 125 feet of string for each kite he makes. How many feet of string does he need for 75 kites?

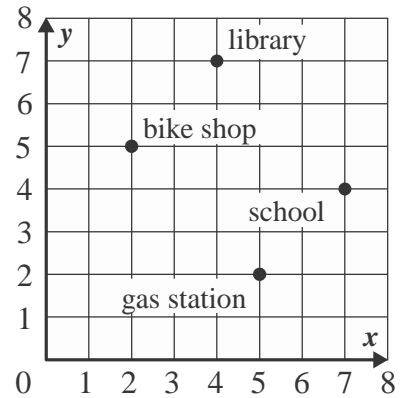


- Ⓕ 8,055 ft
- Ⓖ 8,275 ft
- Ⓗ 9,075 ft
- Ⓙ 9,375 ft

9. A recipe for apricot stuffing calls for $1\frac{1}{2}$ pounds of apricots. If Gracie increases the recipe $2\frac{1}{2}$ times, how many pounds of apricots will she need?

- Ⓐ $7\frac{1}{2}$ pounds
- Ⓑ 4 pounds
- Ⓒ $3\frac{3}{4}$ pounds
- Ⓓ 2 pounds

10. Which place is located at (4, 7)?



- Ⓕ bike shop
- Ⓖ gas station
- Ⓗ library
- Ⓙ school

Benchmark Test 4 (continued)

11. Chloe recorded the lengths of several walking stick insects.

Walking Stick	Length (cm)
A	10.24
B	11.1
C	10.2
D	11.05

Which list shows the lengths in order from least to greatest?

- (A) 10.24, 10.2, 11.1, 11.05
(B) 10.2, 10.24, 11.05, 11.1
(C) 10.24, 10.2, 11.05, 11.1
(D) 11.1, 11.05, 10.24, 10.2

12. Mrs. Hinshaw used $2\frac{3}{4}$ pounds of asparagus and $4\frac{1}{8}$ pounds of shrimp to make stir fry. How many more pounds of shrimp did she use than asparagus?

- (F) $1\frac{3}{8}$ pounds
(G) $1\frac{1}{2}$ pounds
(H) $1\frac{3}{4}$ pounds
(I) $2\frac{3}{8}$ pounds

13. The typical mass of a bullfrog is 0.5 kilogram. What is the mass of 3 bullfrogs in grams?

- (A) 1.5 grams
(B) 15 grams
(C) 150 grams
(D) 1,500 grams

14. Two packages weigh 3.92 pounds and 2.8 pounds. How many times heavier is the first package than the second?

- (F) 0.7 times
(G) 1.12 times
(H) 1.4 times
(I) 1.84 times

15. $216 \div 12 =$

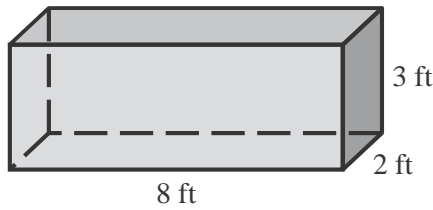
GO ON ►

Benchmark Test 4 *(continued)*

16. Angelo used contact paper to cover shelves in a pantry and cupboard. He used $\frac{2}{3}$ of a roll for the cupboard and $\frac{5}{6}$ of a roll for the pantry. How much more contact paper did he use for the pantry?

- (F) $\frac{1}{6}$ roll
- (G) $\frac{1}{3}$ roll
- (H) $\frac{1}{2}$ roll
- (I) $\frac{2}{3}$ roll

17. Audrey bought a cedar chest to store her sweaters. What is the volume of the cedar chest?



- (A) 18 ft³
- (B) 26 ft³
- (C) 38 ft³
- (D) 48 ft³

18. $87.4 - 56.09 =$

19. An airline had 9,453,607 passengers in September. It had fewer passengers in November. Which could be the number of passengers in November?

- (A) 9,481,886
- (B) 9,454,647
- (C) 9,446,879
- (D) 9,504,903

20. Grady bought some fish for \$17.43 and some fish food for \$3.86. About how much more did Grady spend on the fish than on the fish food?

- (F) \$12
- (G) \$13
- (H) \$15
- (I) \$21

Benchmark Test 4 (continued)

21. Michaela wrote her name in block letters. She colored $\frac{3}{4}$ of the letters pink. She drew green dots on $\frac{1}{2}$ of the pink letters. What fraction of the letters is pink with green dots?
- Ⓐ $\frac{1}{4}$
Ⓑ $\frac{3}{8}$
Ⓒ $\frac{6}{8}$
Ⓓ $\frac{5}{4}$
-
22. Ricardo spends $2\frac{2}{3}$ hours practicing soccer on Mondays and Wednesdays. He spends $1\frac{3}{4}$ hours practicing soccer on Tuesdays, Thursdays, and Fridays. How many hours in all does Ricardo spend practicing soccer?
- Ⓕ $8\frac{11}{12}$ hours
Ⓖ $9\frac{3}{4}$ hours
Ⓗ $10\frac{7}{12}$ hours
Ⓘ $11\frac{1}{2}$ hours
-
23. Mr. Sims wants to buy fencing for a square lot that is 30.5 feet on each side. How many feet of fencing does he need?
- Ⓐ 61 feet
Ⓑ 120.5 feet
Ⓒ 122 feet
Ⓓ 930.25 feet
-
24. A gym equally divided 330 towels so that each swimmer in a meet would get 4 towels. How many swimmers are at the meet?
- Ⓕ 80 swimmers
Ⓖ 82 swimmers
Ⓗ 83 swimmers
Ⓘ 84 swimmers
-
25. Patti and her friends are finding the mean of the ages of their dogs. The pups are 5, 12, 6, 3, 8, 16, 8, and 6 years old. What is the mean age?

GO ON ►

Benchmark Test 4 *(continued)*

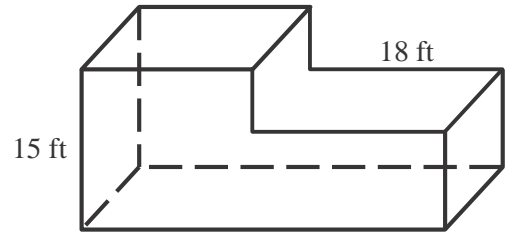
26. $34.2 \times 2.5 =$

28. The length of a robin's egg is 23.05 millimeters (mm). The length of a wren's egg is 20.85 millimeters. How much longer is the robin's egg?

- Ⓕ 2.2 mm
- Ⓖ 2.75 mm
- Ⓗ 3.2 mm
- Ⓘ 3.8 mm

27. Write $\frac{19}{20}$ as a decimal.

29.



$\frac{1}{4}$ pound. How many ounces does a bag of 8 medium apples weigh?

30. A medium apple weighs about $\frac{1}{4}$ pound.

How many ounces does a bag of 8 medium apples weigh?

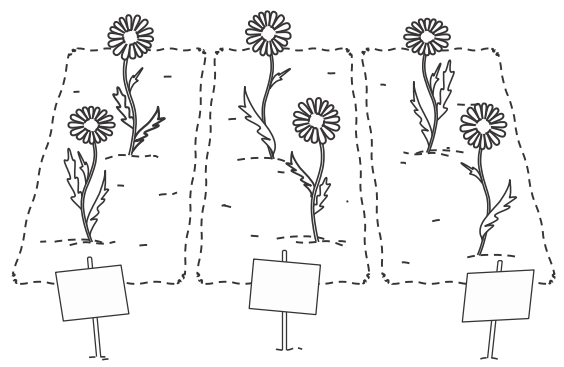
- Ⓕ 64 ounces
- Ⓖ 32 ounces
- Ⓗ 16 ounces
- Ⓘ 2 ounces

Benchmark Test 4 *(continued)*

31. $1\frac{3}{8} + 2\frac{3}{4} =$

33. $4 + (2 \times 6) / 4 =$

32. Adam divided his garden into 3 equal sections. The total area of the garden is 49.2 square feet. What is the area of each section?



- (F) 8.2 square feet
- (G) 13.9 square feet
- (H) 14.8 square feet
- (I) 16.4 square feet

34. What is the value of the expression?

$$10 + 5 \times \{12 \div [(9 - 7) \times 3]\}$$

- (F) 20
- (G) 30
- (H) 100
- (I) 270

35. Six pancakes have 72 grams (g) of carbohydrates. How many grams of carbohydrates are in one pancake, on average?

- (A) 12 g
- (B) 66 g
- (C) 78 g
- (D) 432 g

Benchmark Test 4 (continued)

36. In a class vote on favorite vegetables,

$\frac{5}{12}$ of the students voted for corn

and $\frac{5}{12}$ voted for carrots. What

fraction of the class did **not** vote
for corn or carrots?

Ⓕ $\frac{1}{6}$

Ⓖ $\frac{1}{2}$

Ⓗ $\frac{2}{3}$

Ⓘ $\frac{5}{6}$

37. Two angles in a triangle measure 90
degrees and 45 degrees. What is the
measurement of the missing angle?

38. Mona swims a race in 28.862 seconds. What
is her race time rounded to the nearest tenth
of a second?

39. In Kip's class, $\frac{3}{20}$ of the students are
wearing sandals. What is this fraction
written as a decimal?

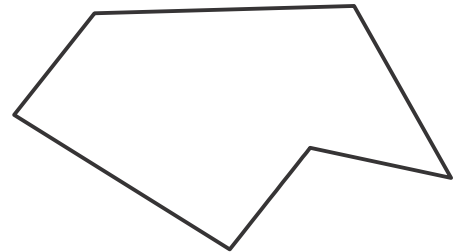
Ⓐ 0.32

Ⓑ 0.3

Ⓒ 0.15

Ⓓ 0.105

40. What is the name of the polygon?



Ⓕ quadrilateral

Ⓖ pentagon

Ⓗ octagon

Ⓘ hexagon

Benchmark Test 4 *(continued)*

41. $67 - .42 =$

43. What is the value of the digit 9 in the number 36.859?

42. What is 40 % of 800?

44. A walk-a-thon raised \$998.50. If 10 charities split the money equally, how much will each charity receive?

- Ⓕ \$9.99
- Ⓖ \$98.50
- Ⓗ \$99.85
- Ⓘ \$9,985

45. Carlos paddled a canoe at an average rate of 6.32 miles per hour. How far did he travel in 2.5 hours?

- Ⓐ 15.8 miles
- Ⓑ 15.7 miles
- Ⓒ 15.69 miles
- Ⓓ 158 miles

Benchmark Test 4 *(continued)*

46. Gabriela used $\frac{1}{8}$ pound jalapeno peppers, $\frac{2}{3}$ pound chili peppers, and $\frac{7}{16}$ pound Anaheim peppers to make enchilada seasoning. About how many pounds of peppers did Gabriela use?

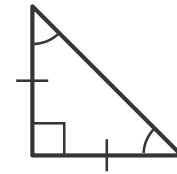
- Ⓕ $0 + \frac{1}{2} + \frac{1}{2} = 1$ pound
- Ⓖ $\frac{1}{2} + 1 + \frac{1}{2} = 2$ pounds
- Ⓗ $\frac{1}{2} + 1 + 1 = 2\frac{1}{2}$ pounds
- Ⓘ $1 + 1 + 1 = 3$ pounds

47. $11/12 - 5/8$

48. An art store has 10^3 posters. If the store sells each poster for \$8, how much money will the store make on the posters?

- Ⓕ \$80
- Ⓖ \$240
- Ⓗ \$800
- Ⓘ \$8,000

49. Which **best** describes the triangle?



- Ⓐ obtuse scalene
- Ⓑ acute isosceles
- Ⓒ right scalene
- Ⓓ right isosceles

50. What do you call a triangle with 3 equal sides?

