

# 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?



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

2.  $6,496 + 3,288 = 9,784$

3. A company assembles marble bags with 18 marbles to a bag. About how many bags does the company need for 730 marbles?

- (A) 80 bags
- (B) 50 bags
- (C) 40 bags
- (D) 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?

- (F) 1.35 miles
- (G) 1.45 miles
- (H) 9.31 miles
- (J) 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?

- (A) 900,000
- (B) 90,000
- (C) 900
- (D) 90

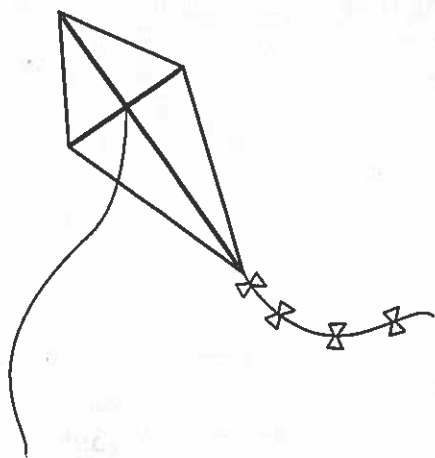
6. A deli made \$1,080 on 24 deluxe platters. How much money would the deli make on 35 deluxe platters?

- (A) \$1,575
- (B) \$1,555
- (C) \$1,475
- (D) \$1,455

### Benchmark Test 4 (continued)

7.  $98,455 + 14,789 = 113,244$

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?

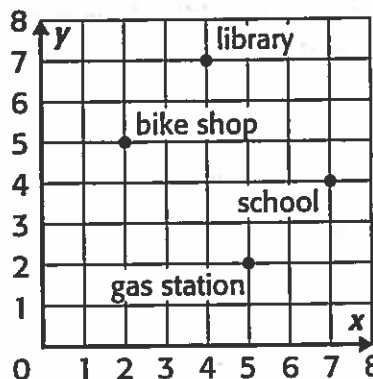


- Ⓕ 8,055 ft
- Ⓖ 8,275 ft
- Ⓗ 9,075 ft
- 9,375 ft

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

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

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?

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

15.  $216 \div 12 = 18$

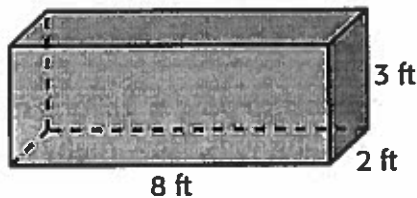
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### Benchmark Test 4 (continued)

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?

- A  $\frac{1}{6}$  roll
- B  $\frac{1}{3}$  roll
- C  $\frac{1}{2}$  roll
- D  $\frac{2}{3}$  roll

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



- A  $18 \text{ ft}^3$
- B  $26 \text{ ft}^3$
- C  $38 \text{ ft}^3$
- D  $48 \text{ ft}^3$

18.  $87.4 - 56.09 = 31.31$

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?
- (A)  $\frac{1}{4}$   
 (B)  $\frac{3}{8}$   
 (C)  $\frac{6}{8}$   
 (D)  $\frac{5}{4}$
- 
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?
- (F)  $8\frac{11}{12}$  hours  
 (G)  $9\frac{3}{4}$  hours  
 (H)  $10\frac{7}{12}$  hours  
 (I)  $11\frac{1}{2}$  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?
- (A) 61 feet  
 (B) 120.5 feet  
 (C) 122 feet  
 (D) 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?
- (F) 80 swimmers  
 (G) 82 swimmers  
 (H) 83 swimmers  
 (I) 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?
- 8 years old

GO ON ►

**Benchmark Test 4** (continued)

26.  $34.2 \times 2.5 = 85.5$

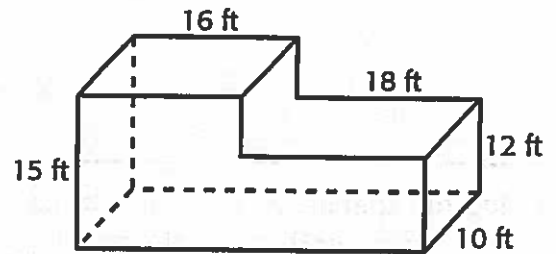
27. Write  $\frac{19}{20}$  as a decimal.

0.95

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

29. What is the volume of the storage building?



- (A) 2,400 ft<sup>3</sup>
- (B) 4,160 ft<sup>3</sup>
- (C) 4,460 ft<sup>3</sup>
- 4,560 ft<sup>3</sup>

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

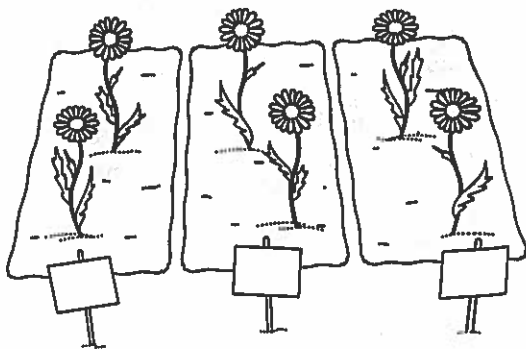
- (F) 64 ounces
- 32 ounces
- (H) 16 ounces
- (I) 2 ounces

**Benchmark Test 4** (continued)

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

33.  $4 + (2 \times 6) / 4 = 7$

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?

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

- A 20
- B 30
- C 100
- D 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

**GO ON ►**

**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?

- A  $\frac{1}{6}$
- B  $\frac{1}{2}$
- C  $\frac{2}{3}$
- D  $\frac{5}{6}$

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

45 degrees

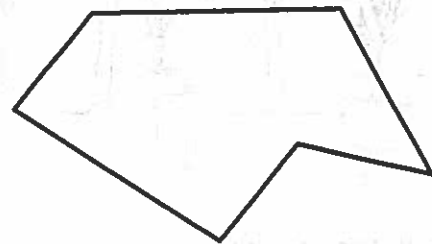
38. Mona swims a race in 28.862 seconds. What is her race time rounded to the nearest tenth of a second?

28.9 seconds

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

- A 0.32
- B 0.3
- C 0.15
- D 0.105

40. What is the name of the polygon?



- F quadrilateral
- G pentagon
- H octagon
- I hexagon



**Benchmark Test 4** (continued)

41.  $67 - .42 = 66.58$

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

9 thousandths

42. What is 40 % of 800?

320

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

- F \$9.99
- G \$98.50
- H \$99.85
- I \$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?

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

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**Grade 5 • Benchmark Test 4**

### 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?

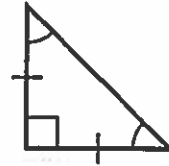
- $0 + \frac{1}{2} + \frac{1}{2} = 1$  pound
- $\frac{1}{2} + 1 + \frac{1}{2} = 2$  pounds
- $\frac{1}{2} + 1 + 1 = 2\frac{1}{2}$  pounds
- $1 + 1 + 1 = 3$  pounds

47.  $11/12 - 5/8 = 7/24$

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?

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

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



- (A) obtuse scalene
- (B) acute isosceles
- (C) right scalene
- right isosceles

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

An Equilateral Triangle

