

- 1 A supermarket has 238 large boxes of cereal. Each large box holds 32 small bags of cereal. How many small bags of cereal are in the supermarket?
- A 6,506 bags  
B 6,616 bags  
C 7,506 bags  
D 7,616 bags
- 2 Richard walked 15.74 miles and James walked 12.98 miles. How many more miles did Richard walk than James?
- A 2.76  
B 2.86  
C 3.76  
D 3.86
- 3 After basketball practice, 8 players equally shared 3 large bottles of water. What fraction of a bottle did each player get?
- A  $\frac{1}{8}$   
B  $\frac{1}{3}$   
C  $\frac{3}{8}$   
D  $\frac{8}{3}$





- 4 Joan went to the bookstore.
- At this bookstore,  $\frac{3}{4}$  of the books are fiction.
  - Of the fiction books,  $\frac{1}{3}$  are mystery books.

What fraction of the books at the bookstore are mystery fiction books?

- A  $\frac{1}{4}$
- B  $\frac{1}{3}$
- C  $\frac{4}{7}$
- D  $\frac{4}{5}$
- 5 A school painted  $\frac{1}{2}$  of a wall in its gym with 3 colors. Each color takes up the same amount of space on the wall. What fraction of the wall does each color occupy?
- A  $\frac{2}{5}$
- B  $\frac{1}{3}$
- C  $\frac{1}{5}$
- D  $\frac{1}{6}$

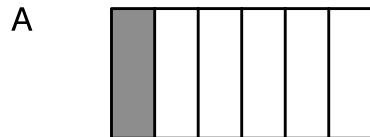
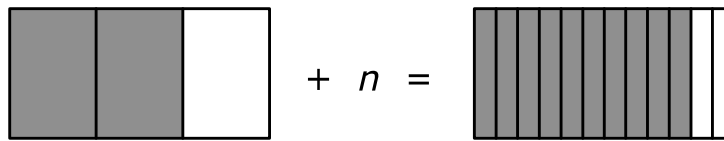




- 6 Tracie ran a total of  $5\frac{3}{4}$  miles on Saturday and Sunday. She ran  $1\frac{5}{8}$  miles on Saturday. How many miles did Tracie run on Sunday?
- A  $3\frac{7}{8}$
- B  $4\frac{1}{8}$
- C  $4\frac{1}{4}$
- D  $4\frac{1}{2}$
- 7 A sports store has 468 golf balls. They will be put into boxes that hold 18 balls each. What is the **minimum** number of boxes needed for all of the golf balls?
- A 26
- B 27
- C 28
- D 29
- 8 Three pizzas are shared equally among 12 people. What fraction of a pizza will each person get?
- A  $\frac{4}{1}$
- B  $\frac{1}{3}$
- C  $\frac{1}{4}$
- D  $\frac{1}{12}$



9 What is the value of  $n$  in the equation shown?



10 Mr. Edwards bought a 50-pound bag of flour for his bakery. It was equally divided among 6 days. How much flour was used per day?

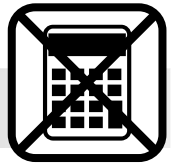
A  $\frac{3}{25}$  pound

B  $8\frac{1}{3}$  pounds

C  $9\frac{1}{6}$  pounds

D 300 pounds





- 11 A rectangular room is  $12\frac{1}{2}$  feet long and  $10\frac{1}{3}$  feet wide. What is the area of the room?
- A  $22\frac{5}{6}$  square feet
- B  $120\frac{1}{6}$  square feet
- C  $120\frac{1}{3}$  square feet
- D  $129\frac{1}{6}$  square feet
- 12 Trisha bought a carton of orange juice. She drank  $\frac{1}{3}$  of the carton on Monday and  $\frac{5}{12}$  of the carton on Tuesday. What fraction of the carton did Trisha drink?
- A  $\frac{1}{2}$
- B  $\frac{2}{3}$
- C  $\frac{3}{4}$
- D  $\frac{5}{6}$





- 13 Three friends equally share  $\frac{1}{2}$  of a pizza. How much of the pizza does each friend get?
- A  $\frac{1}{6}$
- B  $\frac{1}{5}$
- C  $\frac{5}{1}$
- D  $\frac{6}{1}$
- 14 Mia wants to buy 3 notebooks for \$1.29 each. Which expression shows how to find the total cost?
- A  $3 - 1.29$
- B  $3 \times 1.29$
- C  $3 \div 1.29$
- D  $3 + 1.29$
- 15 What is the value of  $\frac{1}{6} + \frac{1}{12} + \frac{2}{6}$ ?
- A  $\frac{4}{12}$
- B  $\frac{6}{12}$
- C  $\frac{7}{12}$
- D  $\frac{8}{12}$



Questions 16 through 20 require you to write your answers in the boxes provided on your answer sheet. A sample grid is shown below each question, but your answer must be properly entered on the answer sheet to be scored. Write only one number or symbol in each box and fill in the circle in each column that matches what you have printed. Fill in only one circle in each column.

- 16 A business has 384 cases of water. There are 42 bottles of water in each case. How many bottles of water does the business have?

Only 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, ., and / are allowed in your answer. Answers that are mixed numbers must be entered as an improper fraction or decimal.

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- 17 A rope that is 6 meters long will be cut into 24 pieces that are all of the same length. What will be the length of each piece, in centimeters?

(Note: 100 centimeters = 1 meter)

Only 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, ., and / are allowed in your answer. Answers that are mixed numbers must be entered as an improper fraction or decimal.

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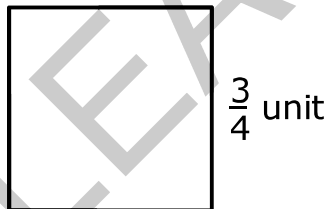


- 18 Wayne exercised for  $\frac{5}{6}$  of an hour in the morning and  $\frac{1}{3}$  of an hour in the evening. How much more of an hour did Wayne spend exercising in the morning than in the evening?

Only 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, ., and / are allowed in your answer. Answers that are mixed numbers must be entered as an improper fraction or decimal.

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- 19 What is the area of the square, in square units?



Only 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, ., and / are allowed in your answer. Answers that are mixed numbers must be entered as an improper fraction or decimal.

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- 20 A factory delivered 284 boxes of books to stores. There are 20 books in each box. How many books did the factory deliver?

Only 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, ., and / are allowed in your answer. Answers that are mixed numbers must be entered as an improper fraction or decimal.

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