

1. Jared made $12\frac{3}{4}$ cups of snack mix for a party. His guests ate $\frac{2}{3}$ of the mix. How much snack mix did his guests eat?

A $4\frac{5}{12}$ cups

B $4\frac{1}{2}$ cups

C $8\frac{1}{2}$ cups

D $12\frac{5}{7}$ cups

2. Doreen lives $\frac{3}{4}$ mile from the library. If Sheila lives $\frac{1}{2}$ as far away as Doreen, which statement below is true?

- A** Sheila lives closer to the library.
- B** Doreen lives closer to the library.
- C** Sheila lives two times as far away from the library as Doreen lives.
- D** They live the same distance from the library.

3. Louis wants to carpet the rectangular floor of his basement. The basement has an area of 864 square feet. The width of the basement is $\frac{2}{3}$ its length. What is the length of Louis's basement?

A 24 feet

B 36 feet

C 48 feet

D 576 feet

4. Sophie uses 18 beads to make a necklace. Three-sixths of the beads are purple. How many beads are purple?

A 6

B 9

C 12

D 15

Use the list of ingredients for 5–6.

Salad Dressing

$\frac{1}{4}$ cup sugar

$1\frac{1}{2}$ teaspoons paprika

1 teaspoon dry mustard

$1\frac{1}{2}$ teaspoons salt

$\frac{1}{8}$ teaspoon onion powder

$\frac{3}{4}$ cup vegetable oil

$\frac{1}{4}$ cup vinegar

5. What fraction of a cup of vegetable oil should Julia use to make $\frac{1}{2}$ of a batch of salad dressing?

A $\frac{3}{8}$ cup

B $\frac{1}{2}$ cup

C $\frac{2}{3}$ cup

D $1\frac{1}{4}$ cups

6. Julia decides to make 5 batches of salad dressing. How much sugar should she use?

A $\frac{4}{5}$ cup

B $1\frac{1}{5}$ cups

C $1\frac{1}{4}$ cups

D $5\frac{1}{4}$ cups

7. Stuart rode his bicycle $6\frac{3}{5}$ miles last week. This week he rode $1\frac{1}{3}$ times as far as he rode last week. Which statement is true?

- A** He rode the same number of miles both weeks.
- B** He rode more miles this week.
- C** He rode fewer miles this week.
- D** He rode twice as many miles this week.

8. A scientist had $\frac{3}{4}$ liter of solution. He used $\frac{1}{6}$ of the solution for an experiment. How much solution did the scientist use for the experiment?

A $\frac{1}{8}$ liter

B $\frac{3}{8}$ liter

C $\frac{1}{2}$ liter

D $\frac{7}{12}$ liter

9. Kayla walks $3\frac{7}{10}$ miles each day. What is the total number of miles she walks in 31 days?

A $117\frac{4}{10}$ miles

B $114\frac{7}{10}$ miles

C $34\frac{7}{10}$ miles

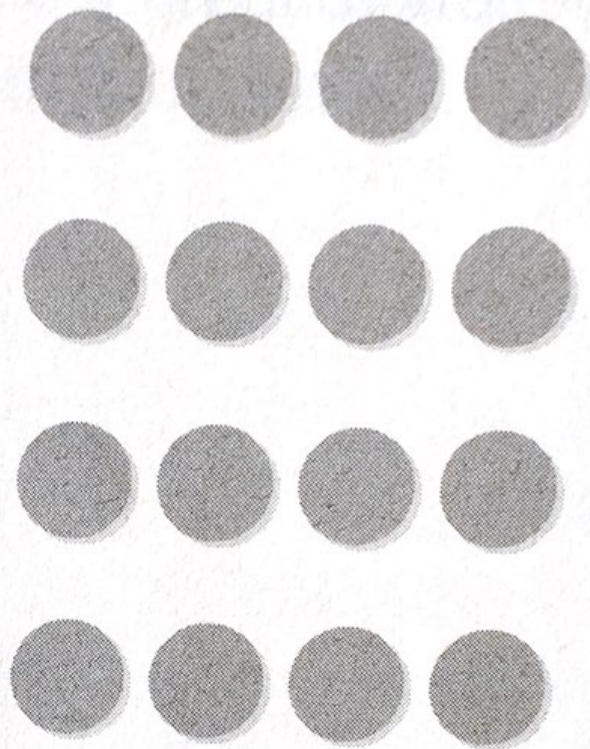
D $6\frac{4}{5}$ miles



10. Sally painted a picture that has an area of 480 square inches. The length of the painting is $1\frac{1}{5}$ its width. Which of the following could be the dimensions of Sally's painting?

- A** 20 inches by 24 inches
- B** 12 inches by 40 inches
- C** 16 inches by 30 inches
- D** 15 inches by 32 inches

11. Charlotte bought 16 songs.
Three-fourths of the songs are
pop songs.



How many of the songs are pop songs?

- A** 4
- B** 8
- C** 12
- D** 16

12. Mrs. Stephens wrote 4 statements on the board and asked the class which one was true. Which of the following statements is true?

A $\frac{5}{6} \times \frac{5}{6}$ is equal to $\frac{5}{6}$.

B $\frac{2}{3} \times \frac{1}{3}$ is less than $\frac{2}{3}$.

C $\frac{7}{8} \times 8$ is less than $\frac{7}{8}$.

D $\frac{3}{5} \times 5$ is greater than 5.

13. Of the flowers on Jill's front lawn, $\frac{2}{5}$ are tulips. Of the tulips, $\frac{5}{8}$ are yellow. What fraction of the flowers on Jill's front lawn are yellow tulips?

A $\frac{1}{8}$

B $\frac{1}{4}$

C $\frac{1}{2}$

D $\frac{7}{13}$

14. Carlos has $7\frac{1}{2}$ acres of farmland. He uses $\frac{1}{3}$ of the acres to graze animals and $\frac{1}{5}$ of the acres to grow vegetables. How many acres does Carlos use for grazing animals or for growing vegetables?

A $1\frac{1}{2}$ acres

B $2\frac{1}{2}$ acres

C 4 acres

D $6\frac{29}{30}$ acres

15. Taniqua took a test that had 20 questions. She got $\frac{4}{5}$ of the questions correct. How many questions did Taniqua get correct?

A 12

B 15

C 16

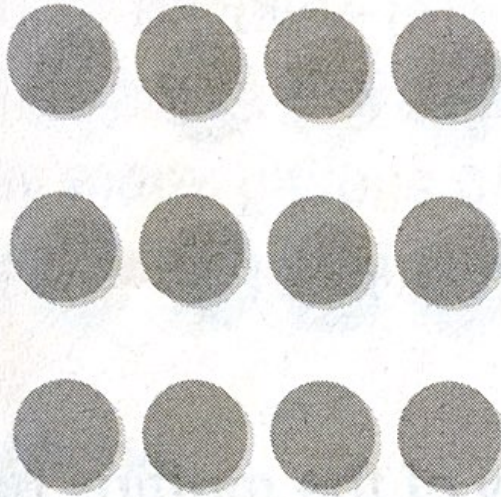
D 25

16. Mrs. Thompson is buying $1\frac{3}{4}$ pounds of turkey and $\frac{3}{4}$ as much cheese as turkey at a deli. Which of the following statements is true?

- A** She is buying the same amount of turkey and cheese.
- B** She is buying less turkey than cheese.
- C** She is buying twice as much turkey as cheese.
- D** She is buying more turkey than cheese.

Name _____

17. Mr. Walton ordered 12 pizzas for the art class celebration. One-fourth of the pizzas had only mushrooms.



How many of the pizzas had only mushrooms?

- A** 3
- B** 4
- C** 8
- D** 9

*18. A rectangular park has an area of 6 square miles. The width of the property is $\frac{3}{8}$ the length of the property. What is the width of the property?

A $1\frac{1}{2}$ miles

B $2\frac{1}{4}$ miles

C 3 miles

D 4 miles

19. In a class book order, $\frac{2}{3}$ of the books are fantasy and $\frac{1}{4}$ of the books are biography. If the order contains 60 books, how many books are either fantasy or biography?

A 15

B 30

C 40

D 55

20. Otis bought a total of $\frac{7}{10}$ pound of grapes and cherries. The weight of the grapes is $\frac{2}{3}$ of the total weight. What is the weight of the grapes?

A $\frac{3}{10}$ pound

B $\frac{7}{15}$ pound

C $\frac{9}{13}$ pound

D $\frac{20}{21}$ pound

21. The table shows how many hours some students worked on their math project.

Math Project

Name	Hours Worked
Carl	$5\frac{1}{4}$
Sonia	$6\frac{1}{2}$
Tony	$5\frac{2}{3}$

April worked $1\frac{1}{2}$ times as long on her math project as Carl. For how many hours did April work on her math project?

A $5\frac{3}{8}$ hours

B $6\frac{1}{3}$ hours

C $7\frac{1}{4}$ hours

D $7\frac{7}{8}$ hours

22. Miss Parks wrote 4 statements on the board and asked the class which one was true. Which statement is true?

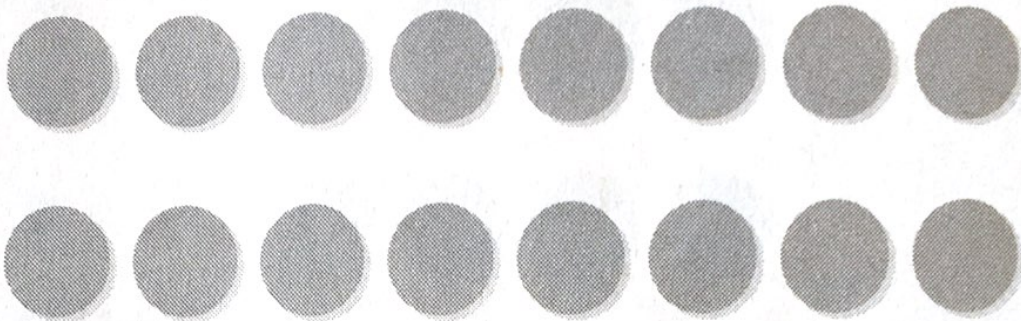
A $3\frac{2}{3} \times \frac{4}{5}$ is greater than $3\frac{2}{3}$.

B $1\frac{7}{8} \times 2\frac{1}{3}$ is greater than $2\frac{1}{3}$.

C $2\frac{5}{6} \times \frac{8}{8}$ is less than $2\frac{5}{6}$.

D $2\frac{3}{8} \times 4$ is less than 4.

- 23.** Trisha's mom baked 16 muffins.
Two-eighths of the muffins have
cranberries.



How many of the muffins have
cranberries?

A 12

C 4

B 8

D 2

24. Laurie runs around a track that is $\frac{1}{4}$ mile long. If she does 10 laps around the track, how far does she run?

A $\frac{2}{5}$ mile

B $2\frac{1}{4}$ miles

C $2\frac{1}{2}$ miles

D $10\frac{1}{4}$ miles

25. Nadia needs $\frac{3}{4}$ cup of orange juice for a punch recipe. She will double the recipe to make punch for a party. Which statement is true?

- A** She will be using more orange juice.
- B** She will be using less orange juice.
- C** She will be using the same amount of orange juice.
- D** She will be using $\frac{3}{4}$ as much orange juice.

