

1 Kanya took a survey about favorite sports. The following table gives the result in fractions.

FAVORITE SPORTS

Sport	Fraction
Football	$\frac{5}{16}$
Basketball	$\frac{1}{4}$
Soccer	$\frac{3}{8}$
Track	$\frac{1}{16}$

Which sport was the favorite among those surveyed?

- A Football
- B Basketball
- C Soccer
- D Track

2 This table shows the amounts of spices used in a recipe.

Spices

$\frac{3}{5}$ teaspoon black pepper
$\frac{1}{4}$ teaspoon salt
$\frac{4}{5}$ teaspoon garlic
$\frac{3}{8}$ teaspoon rosemary

Which spice has the greatest amount used in the recipe?

- A black pepper
- B salt
- C garlic
- D rosemary

3 This table shows the fraction each class has collected toward their goals for recycling.

FRACTION OF GOAL COMPLETED

Teacher Name	Fraction
Kenzy	$\frac{1}{2}$
Hillmon	$\frac{1}{4}$
Gunter	$\frac{7}{8}$
Roacha	$\frac{3}{8}$

Whose class is closest to their goal?

- A Kenzy
- B Hillmon
- C Gunter
- D Roacha

4 Greg is painting a mural. This table shows the amount of paint he used of each color.

MURAL PAINTING

Color	Amount of Paint
Blue	$\frac{1}{4}$ pint
Red	$\frac{3}{4}$ pint
Green	$\frac{3}{8}$ pint
White	$\frac{5}{8}$ pint

Which color did he use most?

- A Blue
- B White
- C Green
- D Red

5 Which number does NOT have 7 as a factor?

- A 35
- B 14
- C 18
- D 21

6 Which shows all the factors of 24?

- A 2, 3, 4, 6, 8, 12, 24
- B 1, 2, 3, 4, 6, 8, 12, 24
- C 1, 2, 5, 4, 6, 8, 12, 24
- D 2, 3, 4, 6, 8, 12, 24, 36

7 Which shows all the factors of 32?

- A 1, 2, 4, 6, 8, 16, 32
- B 1, 2, 4, 8, 12, 16, 32
- C 1, 2, 4, 8, 12, 16, 18, 32
- D 1, 2, 4, 8, 16, 32

8 What are all the factors of 16?

- A 1, 2, 8, 16
- B 1, 2, 4, 8, 16
- C 1, 2, 4, 6, 8, 16
- D 1, 2, 3, 4, 6, 8, 16

9 Which number does NOT have 3 as a factor?

- A 12
- B 9
- C 18
- D 13

10 Which number is prime?

- A 77
- B 67
- C 63
- D 57

11 Which list contains all prime numbers?

- A 19, 28, 29
- B 11, 19, 30
- C 11, 19, 29
- D 11, 15, 29

12 Which is NOT a multiple of 6?

- A 12
- B 16
- C 18
- D 30

13 Which is NOT a multiple of 9?

- A 27
- B 81
- C 29
- D 54

14 Which is a multiple of 8?

- A 40
- B 35
- C 36
- D 31

15 The numbers 14, 49, and 28 are all multiples of which number?

- A 2
- B 5
- C 4
- D 7

16 Which fraction is NOT equivalent to the shaded area of the rectangle?



- A $\frac{6}{12}$
- B $\frac{3}{6}$
- C $\frac{2}{3}$
- D $\frac{1}{2}$

17 Which fraction is equivalent to the area of the rectangle that is not shaded?



- A $\frac{1}{3}$
- B $\frac{4}{6}$
- C $\frac{2}{3}$
- D $\frac{3}{12}$

18 Felton and Michael were each given the same length of rope. Felton cut his rope into 10 equal pieces. Michael cut his rope into 20 equal pieces. They used equal amounts of their rope for a project. If Felton used 9 pieces or $\frac{9}{10}$ of his rope, how many pieces did Michael use?

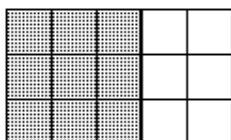
- A 20 pieces
- B 18 pieces
- C 10 pieces
- D 9 pieces

19 Which fraction is NOT equivalent to the shaded area of the rectangle?



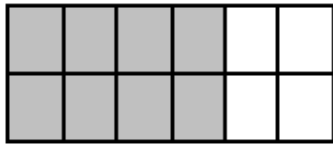
- A $\frac{4}{12}$
- B $\frac{4}{6}$
- C $\frac{2}{6}$
- D $\frac{1}{3}$

20 Which fraction is NOT equivalent to the shaded area of the rectangle?



- A $\frac{3}{5}$
- B $\frac{6}{10}$
- C $\frac{12}{20}$
- D $\frac{2}{3}$

21 Which fraction is NOT equivalent to the shaded area of the rectangle?



- A $\frac{8}{12}$
- B $\frac{4}{8}$
- C $\frac{4}{6}$
- D $\frac{2}{3}$

22 A number line is divided into 6 equal parts to show sixths. A point is labeled $\frac{1}{2}$. Name the equivalent fraction for the labeled point.

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

23 Which is another fraction that names $\frac{4}{10}$?

- A $\frac{2}{5}$
- B $\frac{2}{6}$
- C $\frac{4}{6}$
- D $\frac{9}{12}$

24 Which of the following fractions does NOT name the same point on the number line?

- A $\frac{1}{2}$
- B $\frac{4}{8}$
- C $\frac{2}{6}$
- D $\frac{6}{12}$

25 A business must budget its money. Fractions for each part of one store's budget are listed below. Which of the following comparisons is TRUE?

**Pal's Pet Store
Budget**

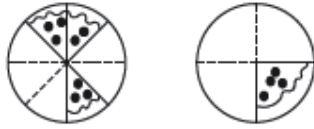
Wages	$\frac{3}{10}$
Rent	$\frac{1}{2}$
Supplies	$\frac{1}{5}$

- A The pet store spends more on supplies than rent.
- B The pet store spends more on wages than rent.
- C The pet store spends more on supplies than wages.
- D The pet store spends more on wages than supplies.

26 Which fraction is the least?

- A $\frac{1}{3}$
- B $\frac{1}{10}$
- C $\frac{1}{2}$
- D $\frac{1}{8}$

27 The 2 plates of pizza below show what was left after the Chavez family finished dinner.



Which portion of the following compares the portion of pizza left on each plate?

- A $\frac{3}{8} > \frac{1}{4}$
- B $\frac{3}{8} < \frac{1}{4}$
- C $\frac{3}{8} = \frac{1}{4}$
- D $\frac{3}{4} > \frac{5}{8}$

28 Which fraction is the least?

- A $\frac{1}{7}$
- B $\frac{1}{8}$
- C $\frac{1}{3}$
- D $\frac{1}{5}$

29 Which fraction is greater than $\frac{4}{5}$?

- A $\frac{12}{15}$
- B $\frac{17}{20}$
- C $\frac{20}{25}$
- D $\frac{48}{60}$

30 Which fraction is greater than $\frac{5}{6}$?

A $\frac{9}{12}$

B $\frac{16}{18}$

C $\frac{11}{24}$

D $\frac{16}{30}$