

Name _____

Choose the correct answer.

1. At Fairview Elementary School, 9% of the students are left-handed. What is 9% written as a decimal?

(A) 90.0
(B) 9.0
(C) 0.9
(D) 0.09

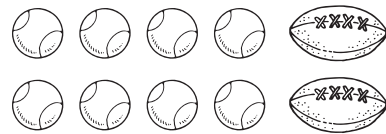
2. In the voting for mayor, Candidate Russell received 0.8 of the votes. What is 0.8 written as a percent?

(A) 800%
(B) 80%
(C) 8%
(D) 0.8%

3. In the word MISSISSIPPI, what is the ratio of letter P's to letter I's?

(A) 2 to 4
(B) 4 to 2
(C) 4 to 11
(D) 2 to 11

4. The picture shows a collection of eight baseballs and two footballs. What is the ratio of footballs to the total number of baseballs and footballs?

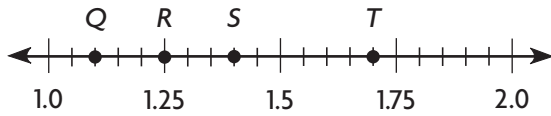


(A) 2 to 8
(B) 8 to 2
(C) 2 to 10
(D) 8 to 10

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5. Toby ran a 10-kilometer race in $1\frac{2}{5}$ hours. Which point on the number line represents his time?



- (A) point Q
(B) point R
(C) point S
(D) point T
6. The lengths of four snakes are given.

Snake	1	2	3	4
Length (meters)	0.4	$\frac{1}{5}$	$\frac{1}{6}$	0.08

How long is the longest snake?

- (A) 0.4 meter
(B) $\frac{1}{5}$ meter
(C) $\frac{1}{6}$ meter
(D) 0.08 meter

7. At tryouts for the track team, Blake ran 40 yards in 5 seconds. What was his average speed?

- (A) $\frac{1}{8}$ yard per second
(B) 8 yards per second
(C) 45 yards per second
(D) 200 yards per second

8. On a business trip, Corinne drove 200 miles at an average speed of 50 miles per hour. How long did the trip take?

- (A) 0.25 hour
(B) 4 hours
(C) 50 hours
(D) 150 hours



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9. Members of the Canoe Club paddled at an average rate of 8 kilometers per hour for 4 hours. How far did they travel?
- (A) 0.5 kilometer
 - (B) 2 kilometers
 - (C) 12 kilometers
 - (D) 32 kilometers
10. The ratio of girls to boys in the school orchestra is 15 to 10. Which ratio is equivalent to 15 to 10?
- (A) 10 to 5
 - (B) 10 to 15
 - (C) 12 to 8
 - (D) 32 to 24
11. Four of every 9 boxes of Crispy Critters cereal contain a prize. There are 54 boxes of Crispy Critters on the shelf at the grocery store. How many of the boxes would you expect to contain a prize?
- (A) 6
 - (B) 24
 - (C) 27
 - (D) 45
12. Jorge got a hit $\frac{8}{25}$ of the times that he batted. What percent of the times did he get a hit?
- (A) 8%
 - (B) 16%
 - (C) 32%
 - (D) 64%

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Write the correct answer.

- 13.** In a survey, 80 percent of those surveyed had at least one brother or sister. What fraction of those surveyed had at least one brother or sister? Write your answer in simplest form.

- 14.** In a survey, $\frac{7}{20}$ of the students in fifth grade said their family buys organic vegetables. What decimal represents the portion of students whose families buy organic vegetables?

- 15.** It took Francisco 60 minutes to walk from his house to his grandmother's house. What is 60 written as a product of factors greater than 1? Each factor can have only 1 and itself as factors.

- 16.** There are 225 students in the fifth grade. What is 225 written as a product of factors greater than 1? Each factor can have only 1 and itself as factors.



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- 17.** Four pieces of rope measure 2.4 meters, $2\frac{1}{4}$ meters, 2.35 meters, and $2\frac{1}{3}$ meters in length. How long is the longest piece?

- 18.** Four pitchers contain the amounts of milk given.

Pitcher	1	2	3	4
Amount of Milk (gallons)	$\frac{4}{5}$	$\frac{3}{4}$	0.85	0.7

If the amounts were located on a number line, which would be farthest to the left?

- 19.** Two friends shared $\frac{3}{4}$ gallon of ice cream equally. What fraction of a gallon did each friend get?

- 20.** Four students spoke to the Parents Club for a total of $\frac{2}{3}$ hour. Each student spoke for the same amount of time. How long did each student speak?



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21. Blythe shaded 4 columns and 3 single squares of a 100-square grid to represent the portion of days that it rained last year. What percent of the grid did she **not** shade?

22. Marcus shaded 47% of a 100-square grid to represent the portion of students in his school who are involved in after-school activities. Did he shade *close to none*, *close to one-quarter*, *close to half*, or *close to all* of the squares?

23. Petra typed a 4-page report in 48 minutes. What was Petra's unit rate of typing per page?

24. A company manufactured 250 plastic toys in 5 hours. What was the unit rate of manufacturing the toys per hour?

25. A sales clerk earns \$36 in 4 hours. What is the unit rate for working as a sales clerk per hour?

