Fractions, Decimals and Percents Review

1) Which of the following is not equivalent to 7?

A)  B) 740% C) 7 D) 7.8

2) Dave usually makes 7 out of every 10 extra points he attempts.What decimal represents the fraction **of extra points he misses**?

3) Christopher’s batting average is 0.625. What **simplified fraction** represents this decimal?

4) $\frac{19}{25}$ of Mrs. Smith’s students participate in an after school activity. What percent of her students participate in an after school activity?

5) The weight of mulch in Jesse’s truck was  pounds. How many pounds is that as a decimal?

6) There were $0.18$ of a chocolate pie left over after Gina’s math meeting. What percent of the pie was left over?

7) Which pair of numbers is equivalent?

 A , 2.1 B , $2.\overbar{6}$

 C , 1.125 D , 2.4

8) Aiden, Maddy, Abi, and Melody each walked from their houses to the school. Aiden walked 0.6 mile, Maddy walked $\frac{3}{4}$ mile, Abi walked 0.9 mile and Melody walked $\frac{1}{3}$ mile. What are these distances in order from least to greatest?

9) Which statement about the mixed number

1 is true?

A 1.8 > 1 B 1.75 < 1

C 1 > 1.$\overbar{7}$ D 1 = 1.34

10) Laura asked 25 students in her class what they like to eat for breakfast. The table below shows the results of her survey.

Breakfast Survey

|  |  |
| --- | --- |
| Breakfast | Number of Students |
| Cereal | 3 |
| Pancakes | 14 |
| Bacon and Eggs | 8 |

What percent of students like to eat eggs?

11) Place the following numbers correctly above the number line?

$\frac{13}{2}$ , $6.\overbar{3}$, $6\frac{7}{9}$ , 610%

6

7

12) Which answer choice shows the numbers in order from greatest to least?

A) 3.6 3 3.5 3

B) 3 3.5 3.6 3

C) 3 3.6 3.5 3

D) 3 3.5 3.6 3

13) Eleven of the twenty students in Mrs. Johnson’s art class brought markers for a poster project. Which percent is equivalent to that amount?

 A) 13% B) 52% C) 60% D) 55%

14) Which of the following numbers is larger than 20% and smaller than 40%?

A $\frac{1}{4}$ B $\frac{3}{4}$ C $\frac{3}{5}$ D $\frac{2}{5}$

15) 45% of the boys who tried out made the basketball team. What fraction of the boys who tried out made the team?

16) 5% of all college athletes go pro in their sport. What decimal would you use to determine how many athletes that is?

 A 0.005 B 0.05 C 0.5 D 5

17) 0.01 of the copies made on the teacher’s copy machine get jammed. What percent of the copies get jammed?

18) What percent of the shape is shaded?

19) Shay bought 3 pound of steak, 3.1 pound of ribs, 3 pounds fish, and 3.2 pounds of chicken. Which of the following statements is true?

A The weight of the steak and ribs are equal

B The weight of the ribs and fish are equal

C The weight of fish and chicken are equal

D The weight of the steak and chicken equal