Converting Fractions, Decimals & Percents Review

Match each fraction or decimal to their equivalent.

1) $\frac{2}{3}$ _____ a) 0.60

2) 0.625_____ b) 0.006

3) $\frac{3}{5}$ _____ c) $0.66\overline{6}$

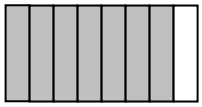
4) 0.060_____ d) $\frac{3}{50}$

5) $\frac{6}{1000}$_____ e) $\frac{5}{8}$

6) 1 out of every 3 students polled said they had a facebook account. What is that amount written as a decimal and as a percent?

A 1.3, 13.3% B 0.3, 30%
C $0.1\overline{33}$, 1.33% D $0.3\overline{33}$, 33.3%

7) What decimal represents the shaded portion of the figure below?



8) Choose the decimal that would be between $\frac{1}{8}$ and $\frac{1}{2}$.

A) 0.12 B) 0.38 C) 0.5 D) 0.61

Compare the fraction and decimal.

9) $\frac{7}{50}$ 0.4

a) <
b) >
c) =

10) $\frac{9}{15}$ 0.60

a) <
b) >
c) =

11) $\frac{1}{5}$ $0.16\overline{6}$

a) <
b) >
c) =

Write each fraction or decimal as a percent.

12) $\frac{1}{20}$

13) 0.03

14) $\frac{7}{4}$

Write each decimal or percent as a fraction or mixed number.

15) 8% 16) 0.55 17) 115%

18) $\frac{4}{5}$ of all McDonald's customers order a soda with their meal.

What percent of McDonald's customers do not order a soda with their meal?

19) Which pair of numbers are not equivalent?

A) 0.4, $\frac{2}{5}$, 40% B) 0.07, $\frac{7}{10}$, 7% C) $\frac{4}{8}$, 0.5, 50% D) $\frac{6}{100}$, 0.06, 6%

20) By 3 o'clock pm on picture day, 65% of the classes had finished taking their yearbook pictures. What fraction of the students had taken their yearbook pictures by 3:00?

21) Order from least to greatest.
Which is the third value on the list?

0.56 $\frac{3}{4}$ $\frac{5}{10}$ 0.6

22) Order from greatest to least.
Which is the last value on the list?

$2\frac{2}{5}$ $2\frac{3}{8}$ $1\frac{3}{10}$ 2.35

23) George completed $\frac{3}{8}$ of his homework before baseball practice.

What percent is equivalent to $\frac{3}{8}$?

24) The total area of Australia is $38\frac{9}{10}$% of the total area of North America. Write this amount as a decimal.

25) Jacob is buying a Playstation 3, two extra controllers, and three new video games. Which expression does NOT represent the total cost?

Item	Unit Cost
Playstation 3	$300
Controller	$35
Game	$48

A 2(35) + 3(48) + 300
B 300 + (2 x 35 + 3 x 48)
C 300 (2 x 35 + 3 x 48)
D 300 + 2 x 35 + 3 x 48