



Jakarta International School

6th Grade

Practice Test 2-Formative Decimals, Fractions, Percents. Blue

Name: _____

Date: _____

Score: $\overline{25}$

Comparing Percents, Fractions, and Decimals

1) Change the following numbers to percentages and place their letter as close as possible to their correct locations on the number line below. (1pt each)

A) $\frac{29}{36} =$

D) $0.053 =$

B) $0.735 =$

E) $\frac{2}{11} =$

C) $\frac{11}{33} =$

F) $1\frac{1}{5} =$



Applications of fractions, percents and decimals.

Show all working. Use lined paper if necessary. Write your answer in a sentence.

2) Between 12% and 15% of the jellybeans in a packet are supposed to be black. What is the least number of black jellybeans you would expect in a packet of 457 jellybeans? (2pts)

3) Sze-Min works in an Italian restaurant serving both food and drinks to tables of diners. His agreement with the owner specifies that he will receive a wage based on the amount spent by customers.

He is to receive 15% of the money spent on food and $\frac{2}{17}$ of the money spent on drinks.

Calculate his wages on an evening when \$550.95 is spent on food, and \$96.30 is spent on drinks. Round to the hundredth place. (3pts)

4) You own a clothes shop and need to make a certain quantity of shirts each day. On one particular day, your employees stitch 420 shirts by lunchtime. If this represents 21% of the day's production, how many shirts had you planned on producing that day? (3pts)

5) Shannon wanted to buy a Wii. The regular price was \$375, but it was on sale for 12% off. She took it to the cash register and then realized that there would also be a 7.5% tax added to the discount price.
How much did Shannon pay for the Wii? (4pts)

6) Robert has been practicing the discus. Last season, his personal best throw was 21.94 metres. This season, he has increased the distance of his best throw by 7%. Calculate Robert's new best distance. Round your answer to the nearest hundredth. (2pts)

7) Nina spent 10% of her allowance on food, 15% of it on movies, 25% on clothes and had \$40 left.

How much allowance did she have to begin with? (3pts)

8) Leet's furniture shop normally sells their leather lounge suite for \$3490, but they offer a \$400 discount on December 30.

What percentage discount is this? Round your answer to the nearest tenth. (2pts)