Subject: Mathematics	**Second Semester**
Name:	Grade 6 (B, C, D, E, F_
Unit 9: Decimal and	**Worksheet (2)**

Remember:

- "%" means out of 100 and it's just a fraction with 100 as a denominator.
- To change any decimal number to a percent value:
  % = Decimal x 100
- To change any fraction to a percent value, **the denominator** should be **100.**

Exercise (1): Complete the following table.

Fractions	Decimals	Percentages
$\dfrac{14}{100}$		
$\dfrac{35}{70}$		
		198%
$\dfrac{20}{25}$		
		0.45%

$8\frac{42}{60}$		
	0.851	
$\frac{4}{7}$		
		521%

Exercise (2): Workout.

a) 40% of 850

b) 35% of 750

c) 25% of 712

d) 20% of 36

e) 7% of 895

f) 50% of 1254

Word problems.

Problem 1:

There are 65 passengers on the bus.

80% of the passengers are setting and the rest are standing.

   a) Write down the percentage of the passengers that are standing.

   b) Work out the number of passengers that are sitting.

Problem 2:

Work out the cost of these sales items.

15 % off all sale items!

a) Radio $150.   b) Air fryer $250.

c) Tablet $450.   d) Kettle $50.

Problems 3:

Richard earns $800 a week.

He is given a 5% rise.

Work out how much he now earns per week.

Problem 4:

Of 80 drivers stopped by police, 20% did not have licenses, 30% had defective lights and 5% failed to observe a stop sign.

Calculate the number of drivers who committed each offence.