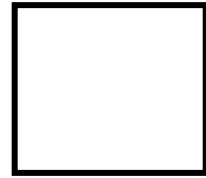




**SEKOLAH BUKIT SION**  
2<sup>ND</sup> Sem, AY 2016 – 2017 ... where the abundance in life flows!  
**CHAPTER TEST: PERCENTAGES**



NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

CLASS: \_\_\_\_\_

MR EMMAN RECANEL

**SECTION A: MULTIPLE CHOICE (40%)**

Write the **CAPITAL LETTER** of the correct answer on the space provided.

1. Express 308% as a fraction in its simplest form.

(A)  $\frac{56}{25}$

(C)  $\frac{19}{5}$

(B)  $\frac{77}{25}$

(D)  $\frac{32}{25}$

( )

2. What percentage is 26 out of 40?

(A) 60%

(C) 70%

(B) 65%

(D) 26%

( )

3. Write 0.348 as a percentage.

(A) 348%

(C) 34.8%

(B) 3.48%

(D) 0.348%

( )

4. Find 15% of 36.

(A) 5.4

(C) 240

(B) 41.4

(D) 31.3

( )

5. The simple interest on \$680 for 5 years is \$119.

What is the **rate of interest** per annum?

(A) 7%

(C) 3.5%

(B) 14%

(D) 42%

( )

6. A Filipino trader exported 7 908 692 pesos worth of goods to Singapore.

If the exchange rate was S\$4.8702 to 100 pesos, **estimate** the value of the exported goods in S\$.

(A) 40 000 000

(C) 400 000

(B) 350 000

(D) 4 000 000

( )

7. Each year a car depreciates by 18% of its value at the beginning of the year.

What will be the value of a car at the end of two years if its value at the beginning of the first year is \$60 000?

(A) \$38 400

(C) \$19 656

(B) \$40 344

(D) \$21 600

( )





**SECTION B: WORLD PROBLEM (60%)**

**SHOW YOUR COMPLETE WORK IN THE SPACE PROVIDED.**

**MARKS MAY BE DEDUCTED FOR NOT SHOWING NECESSARY STEPS.**

1. Jason bought a jacket on sale for 50% off the original price and another 25% off the discount price.

(a) If the jacket originally cost \$88, calculate the final selling price of the jacket; [3]

(b) If the selling price in part (a) is charged with sale tax after the discount, calculate how much Jason paid for the jacket. [2]

2. Trisha earns a basic salary of \$1860 plus a 12% commission on her total sales.

If her total salary in February was \$9 090, what was her total sales for that month? [3]

3. Mrs Ong bought 600 apples at \$11 for 10 apples.

Later that day she found out that 120 apples were rotten and couldn't be sold out.

She then sold the remaining apples at \$2 each.

Calculate his percentage profit. [4]

4. An amount is invested in an account which pays 0.25% per month simple interest.  
If the simple interest earned after 2 years is \$3000, calculate the amount invested. [3]
5. A 5% income tax is charged to an employee's gross annual income.  
(a) If Chandra's monthly income in 2015 was \$15 000, calculate his income tax. [3]
- (b) If Chandra paid an income tax of \$1640 in 2016, calculate his gross annual income. [2]
6. A secondhand car was priced at \$56 840.  
(a) Mr Tan bought it by cash and was given a 2.5% discount.  
Calculate how much Mr Tan paid for the car. [1]
- (b) Mr Li bought using hire purchase. He was required to pay a 25% downpayment and the rest will be paid with 5% simple interest for a period of 5 years.  
(i) Calculate his monthly instalment. [4]
- (ii) Calculate the hire purchase price of the car. [1]

7.

The rate of income tax in a particular country is computed as follows:

- 4% on the first 150 000
- 3% on the next 250 000,
- 2% on the next 400 000 and
- 1% on the remaining.

Each employee also enjoys the following reliefs if applicable:

- Personal Relief - \$5 000
- Wife Relief - \$4 000
- Child Relief - \$3 000 (normal child), \$3 500 (with disability)
- Parent Relief - \$3 500
- Any donation to charitable institutions
- Contribution to Pension funds

In 2015, Allan had a gross annual income of \$1 209 500. His wife does not work. He has 4 children, 1 of them is disabled. He contributed \$122 500 to his pension funds and donated \$30 000 to charity.

Calculate her income tax due.

[4]

**\*\* END OF TEST \*\***