

Primary 6 (P6) Mathematics Worksheet 2

Total Marks: 100 | Time Allowed: 2 Hours

Student Name: _____ Date: _____

Question 1 (10 Marks)

A school library has 1200 books. 45% of the books are fiction, $\frac{1}{3}$ of the books are science textbooks, and the rest are history books. Calculate the total number of history books in the library.

Question 2 (10 Marks)

Find the value of x in the following algebraic equation: $3(2x - 5) + 4 = 25$. Show all steps of your working clearly.

Question 3 (10 Marks)

A rectangular water tank measures 1.5 m long, 1.2 m wide, and 2 m high.

- (a) Find the maximum capacity of the tank in liters. (5 marks)
- (b) If the tank is currently $\frac{3}{4}$ full, how many liters of water are in it? (5 marks)

Question 4 (10 Marks)

A sum of \$450 is shared between Anna and Ben in the ratio 4:5. Calculate how much money Ben receives.

Question 5 (10 Marks)

A bus travels a distance of 240 km at an average speed of 60 km/h.

- (a) How long does the journey take? (5 marks)
- (b) If the bus departs at 07:45 AM, at what time does it arrive at its destination? (5 marks)

Question 6 (10 Marks)

The scores of six students in a mathematics test are: 65, 80, 75, 90, 85, and 55. Calculate the mean score of the students.

Question 7 (10 Marks)

Calculate: $3\frac{1}{2} - 1\frac{3}{4} + 2\frac{1}{8}$. Give your answer as a mixed number in its simplest form.

Question 8 (10 Marks)

A rectangular plot of land has a length of 25 meters and a width of 16 meters.

- (a) Calculate the perimeter of the plot. (5 marks)
- (b) Calculate the area of the plot. (5 marks)

Question 9 (10 Marks)

A shopkeeper buys an item for \$120 and sells it for \$150.

- (a) Calculate the profit made. (4 marks)
- (b) Calculate the percentage profit. (6 marks)

Question 10 (10 Marks)

A triangle has interior angles measuring $2x$, $3x$, and 40° . Find the value of x and determine the sizes of the two unknown angles.