

9. Mr. Smith purchased 80 pens. He discovered that 15% of them were faulty.
- (a) How many pens were good?

Percentage Computation

_____ × _____

Good Pens =

Answer: _____ [3]

- (b) He sold the good pens for 50 cents each. How much money did he make?

Answer: _____ [2]

9. The height of 6 persons were recorded as follows

1.25 m, 1.7 m, 1.55 m, 1.25 m, 1.45 m, 1.2 m

- (a) Determine the modal height.

Answer: _____ [1]

- (b) What is the median height?

Answer: _____ [3]

- (c) Calculate the average (mean) height of the persons.

Total Height =

Average Height =

Answer: _____ [3]

9. The cash price of a television is \$650.
It is sold on hire purchase with a 10% down payment followed by 6 equal payments of \$120.

Calculate the:

- (i) amount of the down payment.

Down Payment Computation

_____ × _____

Down Payment =

Answer: \$ _____ [2]

- (ii) total amount of the monthly payments.

Answer: \$ _____ [2]

- (iii) total cost of the television on the hire purchase plan.

Answer: \$ _____ [2]

- (iv) amount saved by paying cash.

Answer: \$ _____ [1]

9. Find the sum of three thousand six hundred forty nine and seven thousand.

Answer: _____ [3]

9. Mary is given \$90 per week for her allowance.

She spends \$15 on school supplies.

- (a) Calculate the fraction she spends on school supplies.
(Give your answer in its lowest term.)

Original Fraction = _____

Reduced Fraction = _____

Answer: _____ [2]

- (b) How much money does she have left?

Answer: _____ [1]

She spends $\frac{2}{5}$ of the remaining sum of money on a blouse.

- (c) Calculate the amount of money spent on the blouse.

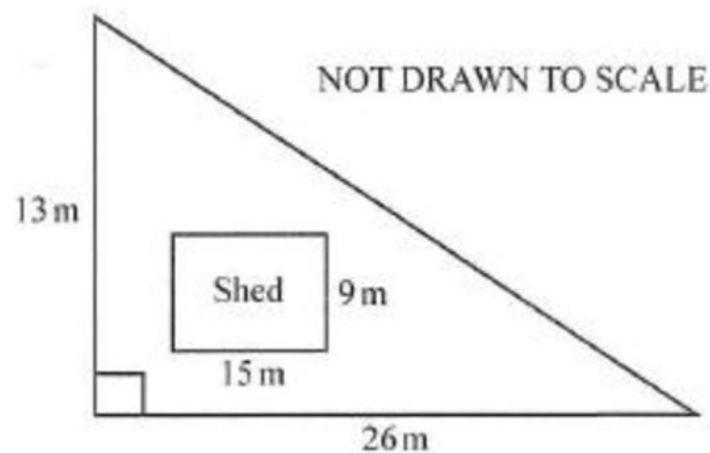
Money Spent Computation

$$\frac{2}{5} \times \underline{\hspace{2cm}}$$

Money Spent =

Answer: _____ [2]

9. The diagram below shows the dimension of a triangular piece of property and a rectangular shed.



- (a) Calculate the area of
- (i) the property.

Answer: _____ m² [2]

- (ii) the shed.

Answer: _____ m² [2]

- (iii) the property around the shed.

Answer: _____ m² [2]

- (b) Grass is sold for \$2.25 per square metre.

Calculate the cost to cover the property around the shed with grass.

Answer: _____ [2]

9. (a) Draw and label a line $YZ = 6$ cm long. [2]

- (b) In part (a), using a pencil, ruler and pair of compasses **ONLY** construct a 60° angle at Y . [2]

[CLICK TO SEE VIDEO ON DRAWING A \$60^\circ\$ ANGLE](#)