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

——— × ———

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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.

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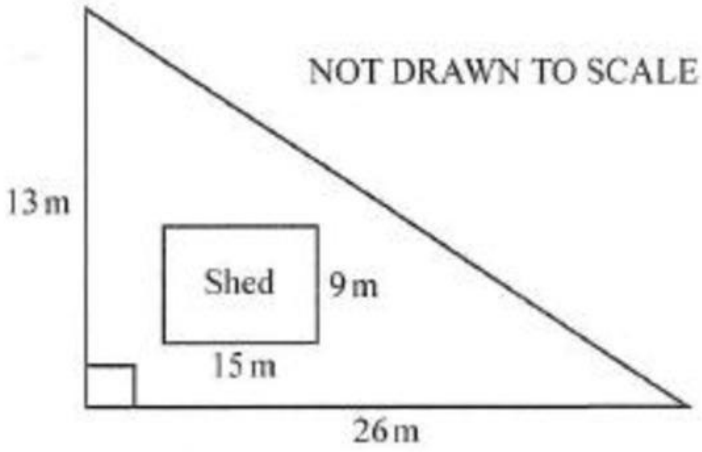
Money Spent Computation

$$\frac{2}{5} \times \text{———}$$

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: _____ m^2 [2]

(ii) the shed.

Answer: _____ m^2 [2]

(iii) the property around the shed.

Answer: _____ m^2 [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]

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(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° ANGLE

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