8. There are 1200 students at Tropical High School. The ratio of boys to girls is 3:5.

(a) How many girls are in the school?

Fraction of Girls = ———

Computation of Girls

——— × $\frac{1200}{1}$

Number of Girls

Answer: _____ [4]

(b) 9 more boys entered the school.

If the ratio remains the same how many girls entered?

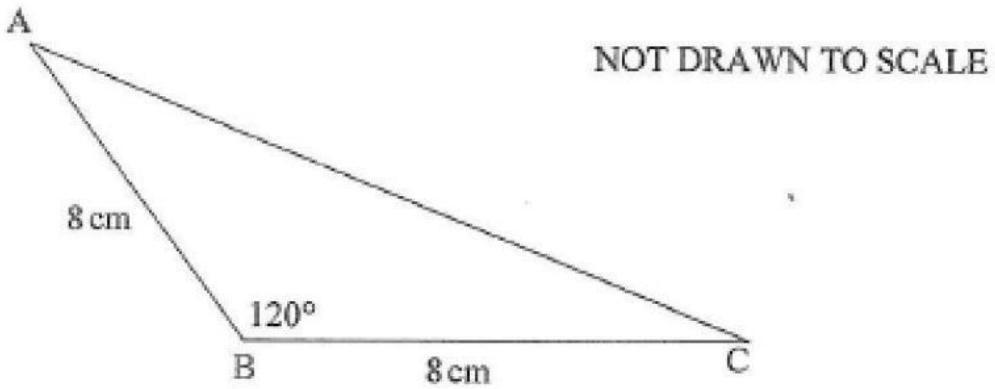
3 boys : 5 girls

boys : girls

boys : girls

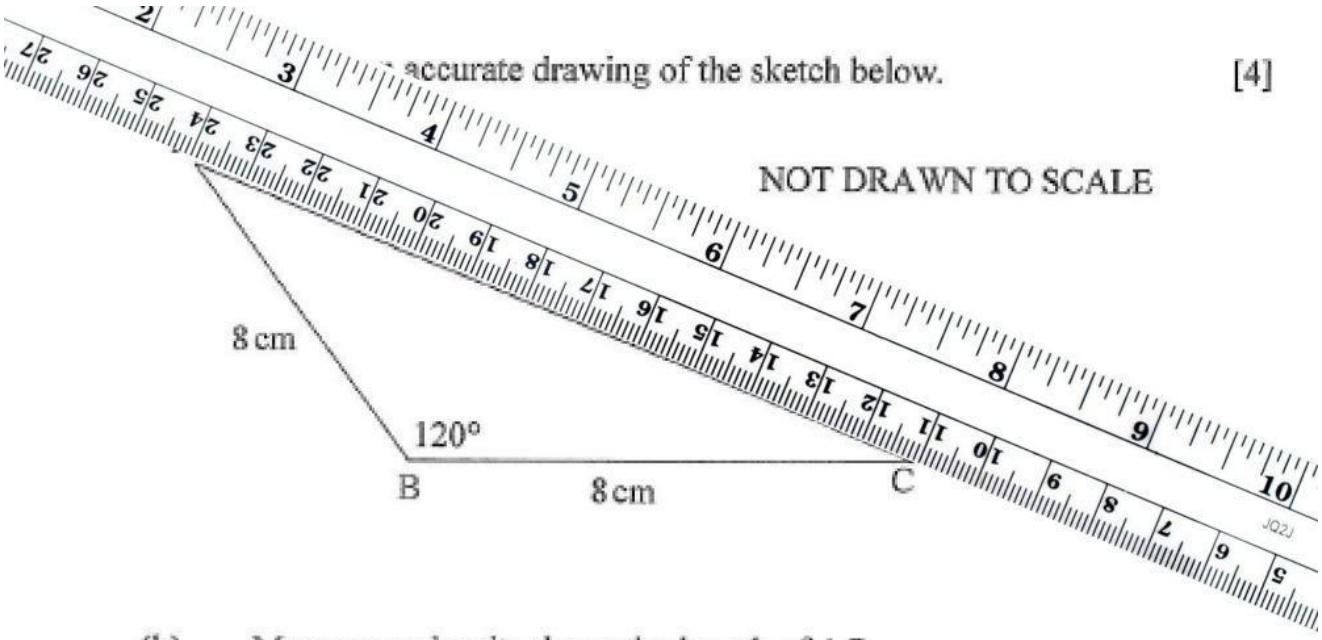
Answer: _____ [3]

8. (a) Make an accurate drawing of the sketch below. [4]



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accurate drawing of the sketch below. [4]



(b) Measure and write down the length of AC.

Answer: _____ [1]

(c) What type of triangle is ABC?

Answer: _____ [1]

8. A scuba diver is diving at a depth of − 4 feet.
He dives down another 8 feet then rises 5 feet.

At what new level is he diving?

Answer: _____ metres [2]

8. Travis and Bradley share 140 baseball cards in the ratio 4:3.

(a) Calculate the amount of cards Travis receives.

Fraction Travis receives = ———

Computation of Cards

$$\text{———} \times \frac{140}{1}$$

Number of Cards

Answer: _____ [3]

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(b) Bradley gave $\frac{2}{3}$ of his cards to Justin.

Calculate the amount of cards Justin received.

Computation of Cards

——— × ———

Number of Cards

Answer: _____ [3]

8. NAME

A man borrowed $10,000 from the bank for 3 years at 12% per annum.

Calculate the

(a) interest he is charged,

Answer: $ _____ [3]

(b) amount of the loan.

Answer: $ _____ [2]

8. Isaiah thinks of a number doubles it and adds 3.

(a) Write an expression to show the phrase above.

Answer: _____ [2]

His result is 15.

(b) Write an equation to show this information.

= 15

Answer: _____ [1]

(c) Solve the equation to determine the number Isaiah thought of.

Answer: _____ [2]

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8. Ms. Smith wants to purchase a car that is priced at $6000.

She borrows the money from the bank for 3 years at 15% per annum simple interest.

Calculate the

(a) interest to be paid after the 3 years,

Answer: _____ [3]

(b) total cost of the car.

Answer: _____ [2]

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