

Cambridge O Level MATHEMATICS (SYLLABUS D) 4024

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Paper 2 Calculator

October/November 2025



Questions (3-4)

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- 3 Idris has 5 kg of rice.
He cooks rice for 12 people.
He uses 75 g of rice for each person.

Work out how much rice Idris has left over.
Give your answer in grams.

..... g [2]

Solution:

$$\begin{aligned} \text{Rice used for 12 people} &= 75 \text{ g} \times 12 \\ &= 900 \text{ g} \end{aligned}$$

$$\text{As } 5 \text{ kg} = 5000 \text{ g}$$

$$\begin{aligned} \therefore \text{Rice left} &= 5000 \text{ g} - 900 \text{ g} \\ &= 4100 \text{ g} \end{aligned}$$

4 In triangle ABC , $AB = 8.5$ cm, $AC = 6$ cm and $BC = 7$ cm.

- (a) Using a ruler and compasses only, construct triangle ABC .
Side AB has been drawn for you.

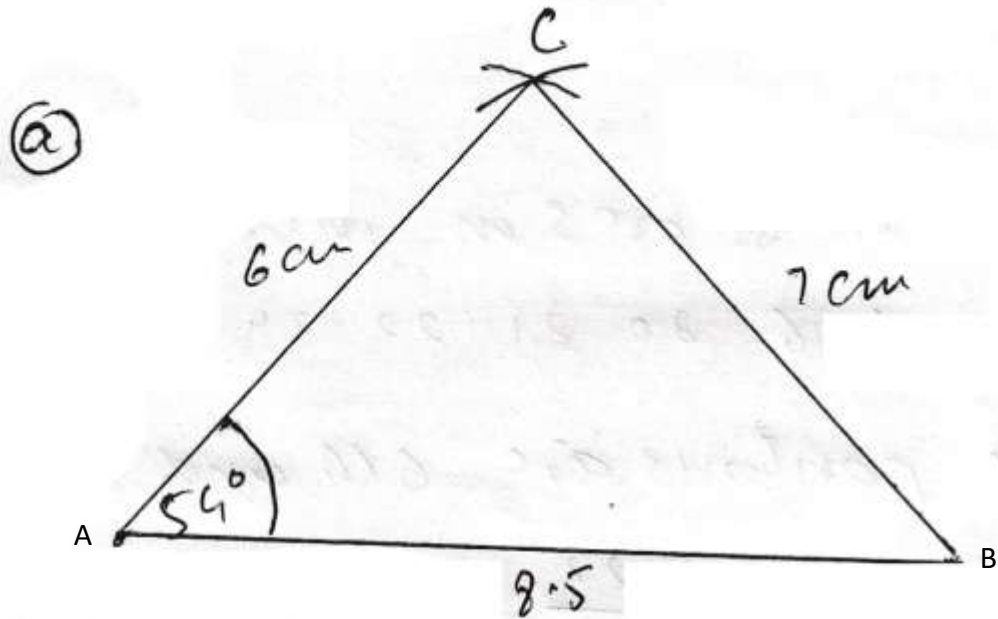


[2]

- (b) Measure angle BAC .

Angle $BAC = \dots\dots\dots$ [1]

Solution:



(b)

Angle $BAC = 54^\circ$

