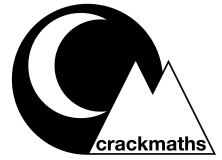


Topics 21 - 25: Exam Style



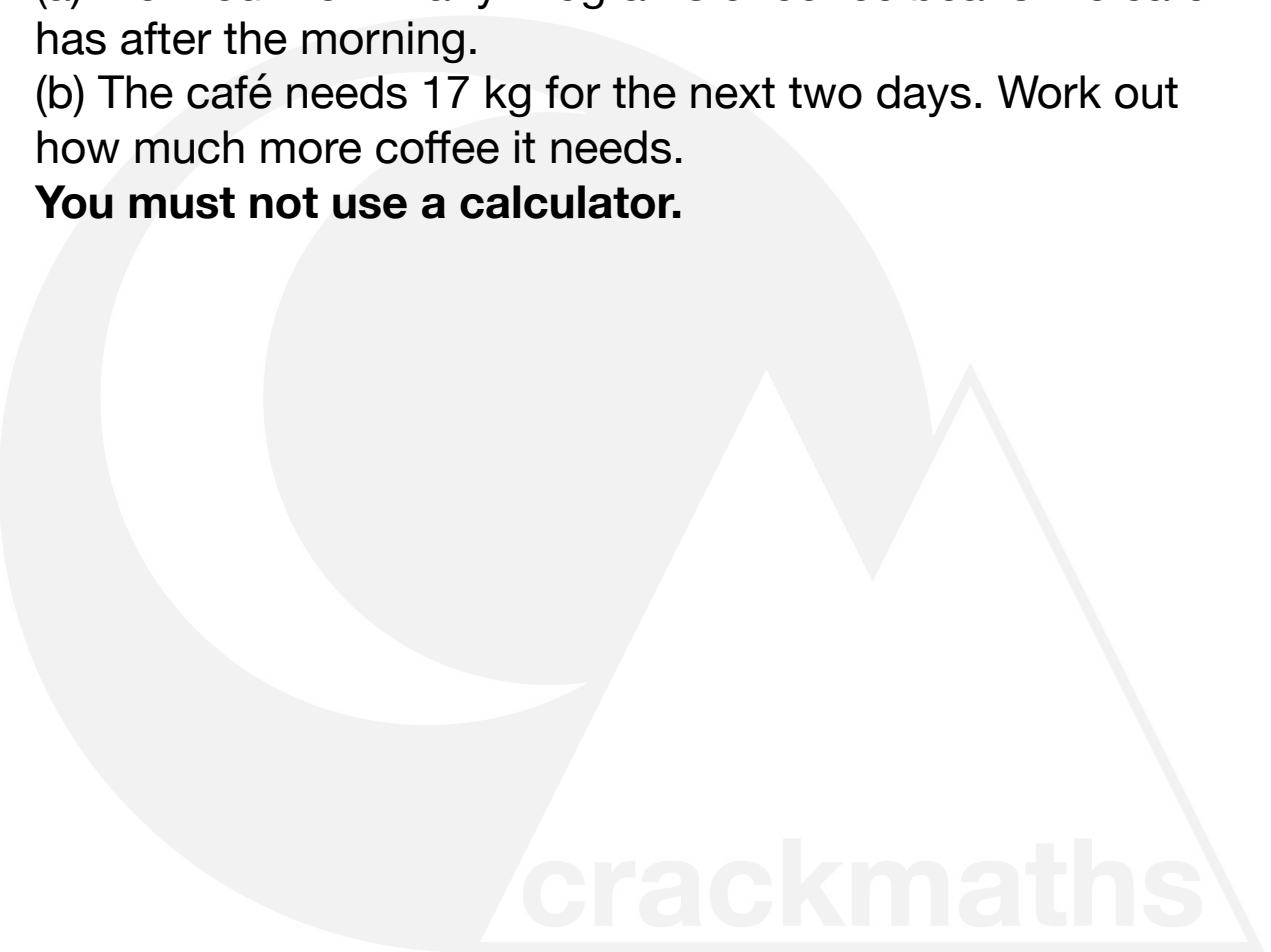
Question 1

A café starts the day with 18.75 kg of coffee beans. During the morning it uses 6.825 kg and receives a delivery of 4.6 kg.

(a) Work out how many kilograms of coffee beans the café has after the morning.

(b) The café needs 17 kg for the next two days. Work out how much more coffee it needs.

You must not use a calculator.



Topics 21 - 25: Exam Style

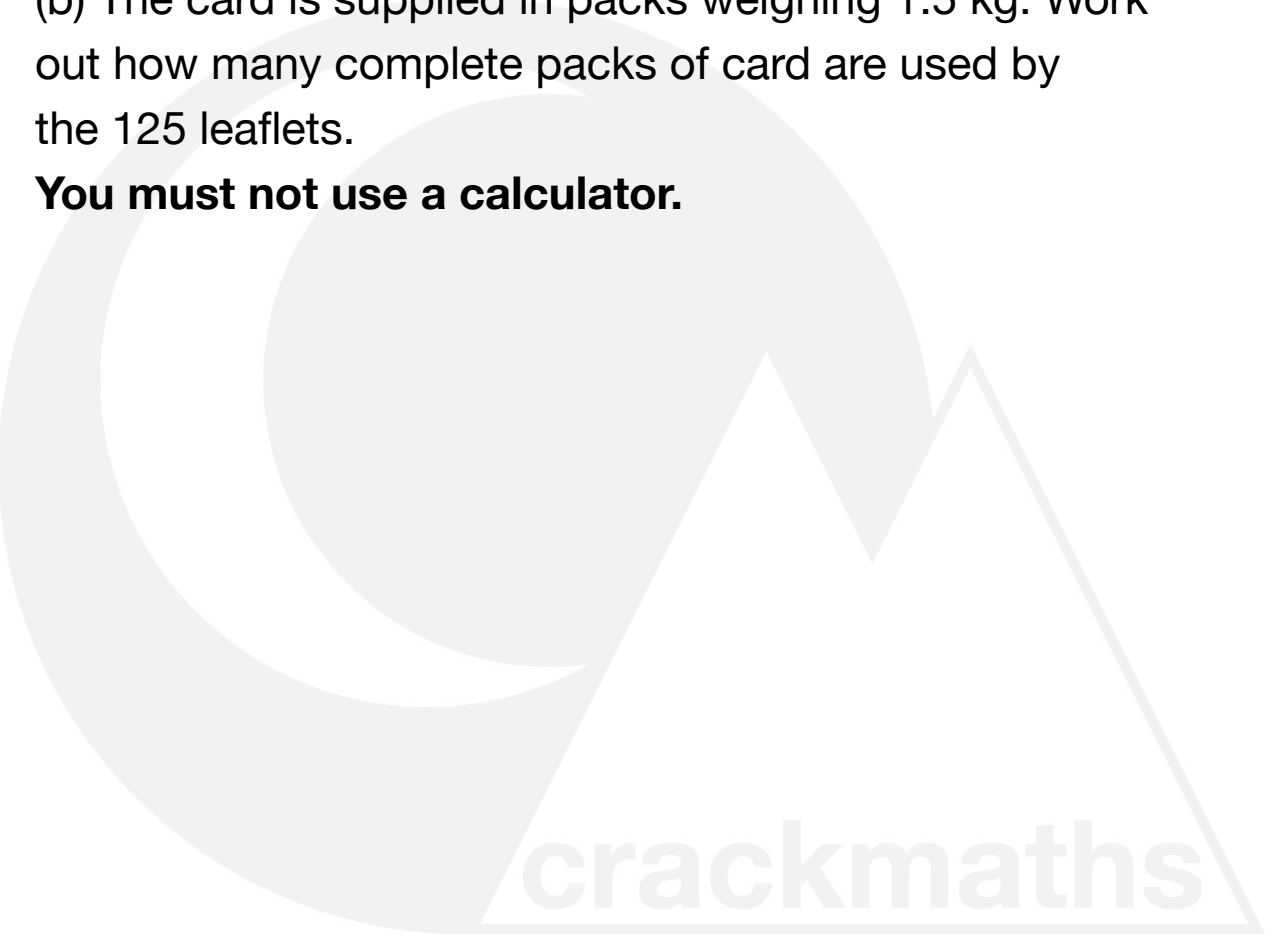


Question 2

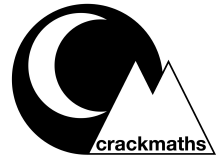
A printer produces 125 leaflets. Each leaflet uses 0.048 kg of card.

- (a) Work out the total mass of card used.
- (b) The card is supplied in packs weighing 1.5 kg. Work out how many complete packs of card are used by the 125 leaflets.

You must not use a calculator.



Topics 21 - 25: Exam Style

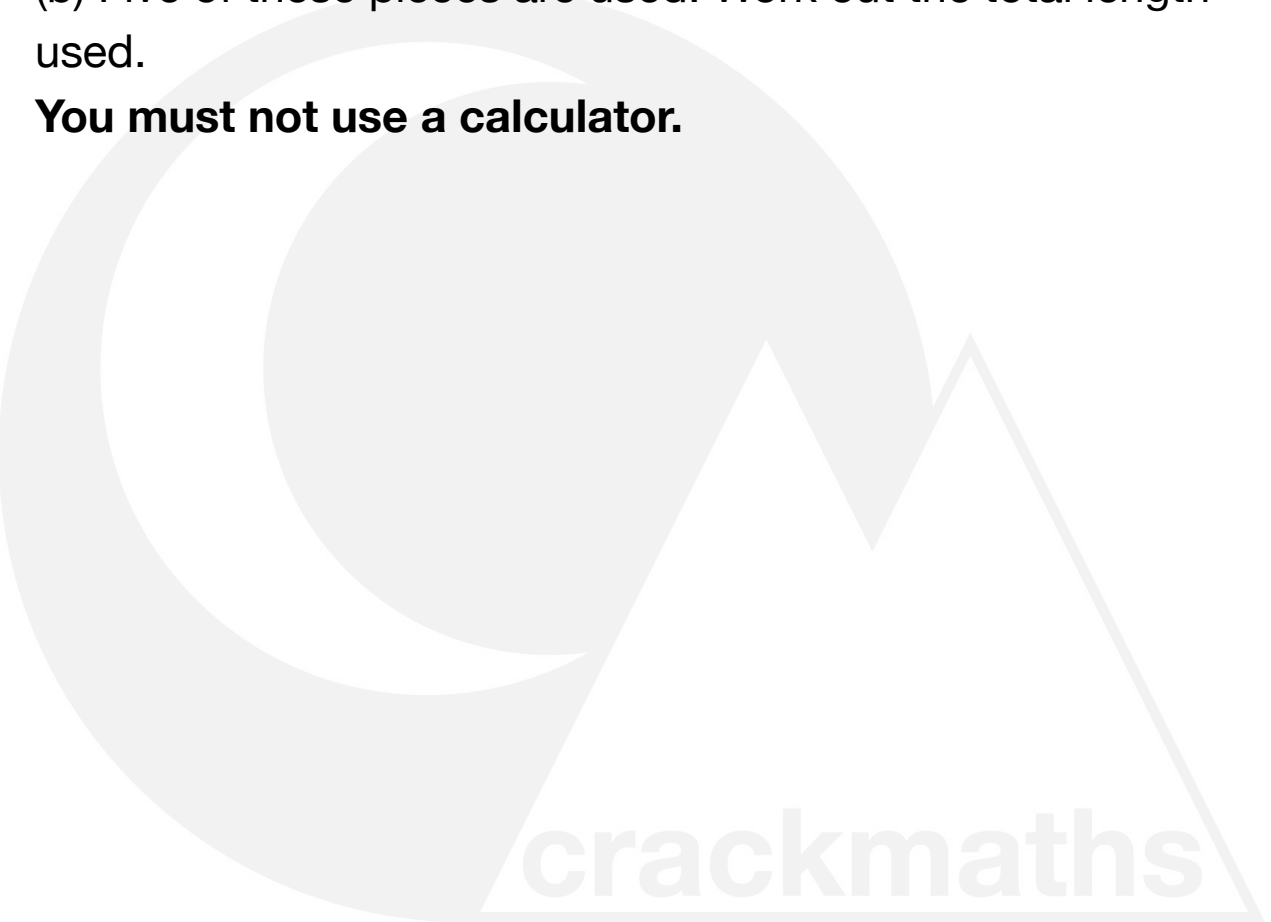


Question 3

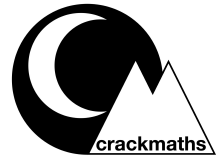
A workshop has 14.4 metres of cable. The cable is cut into 12 equal lengths.

- (a) Work out the length of each piece.
- (b) Five of these pieces are used. Work out the total length used.

You must not use a calculator.



Topics 21 - 25: Exam Style



Question 4

A team of 6 workers can prepare a hall in 8 hours.

The manager assumes that all workers work at the same constant rate.

- (a) Work out how long it would take 12 workers to prepare the same hall.
- (b) On another day only 4 workers are available. Work out how long the same job would take.
- (c) Explain why doubling the number of workers does not double the time taken.

Topics 21 - 25: Exam Style



Question 5

A recipe for 8 people uses the ingredients shown below.
A chef needs to make the same recipe for 30 people.

Ingredient	Amount for 8 people
Rice	600 g
Stock	1.2 litres
Vegetables	480 g

- (a) Work out the amount of rice needed for 30 people.
- (b) Work out the amount of stock needed for 30 people.
- (c) Rice is sold in 1.5 kg bags costing £4.20 each. Work out the minimum number of bags needed and the total cost.