

Edexcel GCSE Mathematics Calculator 2020 Foundation Paper 3 Revision Worksheet

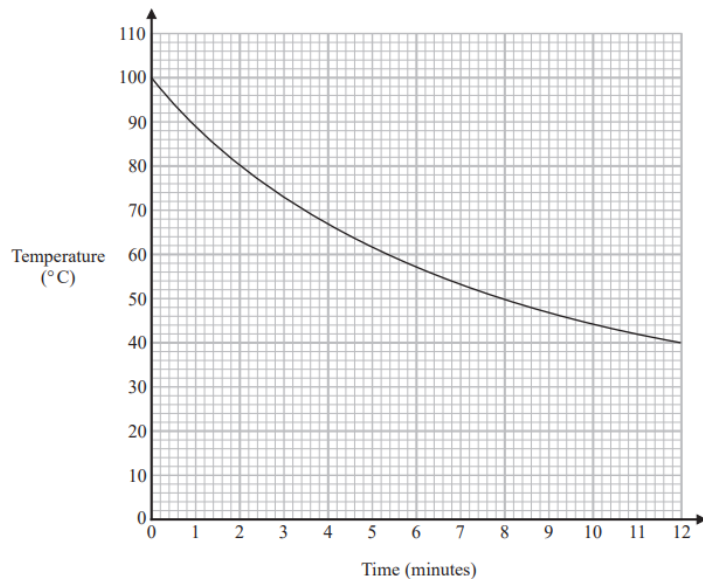
Questions 9 – 16

Question 9

- (a) Work out the value of $\frac{300}{2 \times 5}$
- (b) Work out the value of $(6 - 2.5)(8 + 4)$
- (c) Write down the reciprocal of 20
-

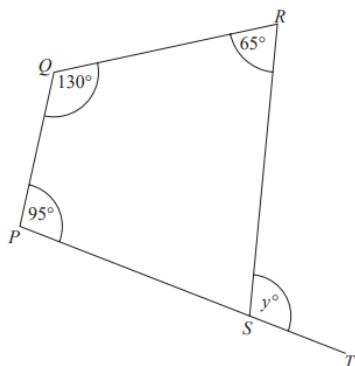
Question 10

The graph shows information about the time, in minutes, a liquid has been cooling and the temperature of the liquid in °C.



- (a) What is the temperature of the liquid at time 2 minutes?
- (b) Pam recorded the time when the liquid had a temperature of 50°C. Write down this time.
- (c) Pam says that the temperature of the liquid drops more in the first 3 minutes of cooling than it does between time 9 minutes and time 12 minutes. Is Pam correct? Give a reason for your answer.
-

Question 11



Find the value of y .

Question 12

Here are the first five terms of a number sequence: 45, 40, 35, 30, 25

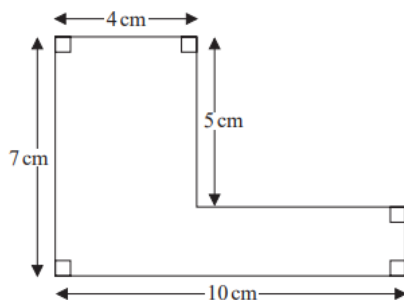
(a) (i) Write down the next two terms of this sequence.

(ii) A term of this sequence is -5. Which term?

(b) The n th term of a different sequence is given by the expression $4n + 3$. Find the 9th term of this sequence.

Question 13

Work out the perimeter of this shape:



Question 14

(a) Simplify $3x + 5y + 2x - 4y$

(b) Solve $5p + 7 = 22$

Question 15

Here are the costs of the same type of batteries in two shops.

Shop A	Shop B
Pack of 4 batteries £1.60	Pack of 6 batteries £2.70

Harry needs to buy at least 30 batteries.

He assumes that he has to buy batteries in whole packs.

Harry wants to buy the batteries as cheaply as possible from the same shop.

- (a) Which shop should he buy the batteries from, shop A or shop B?
You must show all your working.

(b) Harry's assumption is wrong. He can buy single batteries for 40p each in shop A and for 45p each in shop B. Does this affect which of these two shops Harry should buy the batteries from? Give a reason for your answer.

Question 16

There are only 5 blue cards, 2 green cards and 4 red cards in a pack. Isabella is going to take at random one card from the pack.

- (a) Write down the probability that Isabella will take a blue card.

Ken is going to throw a biased dice once. The probability that the dice will land on six is 0.3

- (b) What is the probability that the dice will not land on six?