

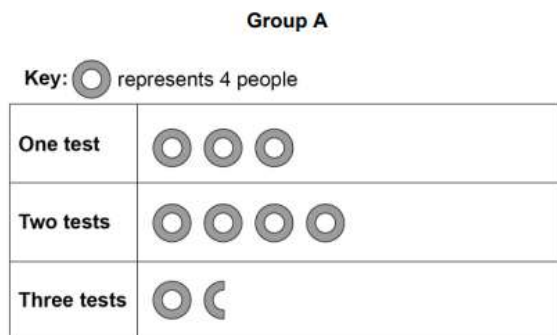
AQA GCSE Mathematics Calculator 2022 Foundation Paper 2 Revision Worksheet

Question 7

Three groups of people, A, B and C, have taken driving tests.

7 (a)

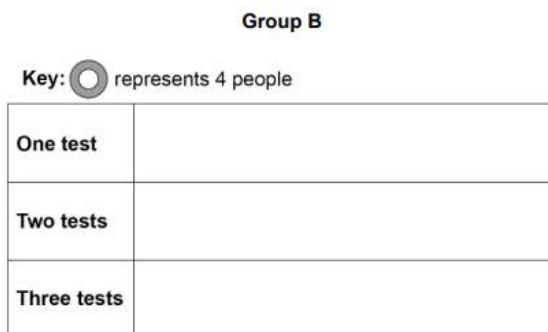
Here is information about the number of tests taken by the people in A.



Here is information about the number of tests taken by the people in B.

- One test: Half the number in A who have taken one test.
- Two tests: 4 fewer than the number in A who have taken two tests.
- Three tests: 10 more than the number in A who have taken three tests.

Complete this pictogram for the people in B.



In group C there are 25 people. 17 of these people have passed a test. One person is picked at random from C.

Work out the probability that the person has not passed a test.

Question 8

Work out the value of $3r + 4t$ when $r = 13$ and $t = -2$

Question 9

Hamish has saved 295 coins. Each one is a 20p coin. He gives an equal number of 20p coins to each of his 8 grandchildren. He gives them as many coins as possible.

How much, in £, does he have left?

Question 10

Here are two sets of numbers:

Set A: 2, 12, 13, 27

Set B: 1, 15, 16, 30

One number from Set A is swapped with one number from Set B. The total of the numbers in each set is now the same.

Which two numbers are swapped?

Question 11

Rearrange $m = p - 5$ to make p the subject. Circle your answer.

$$p = \frac{m}{5}$$

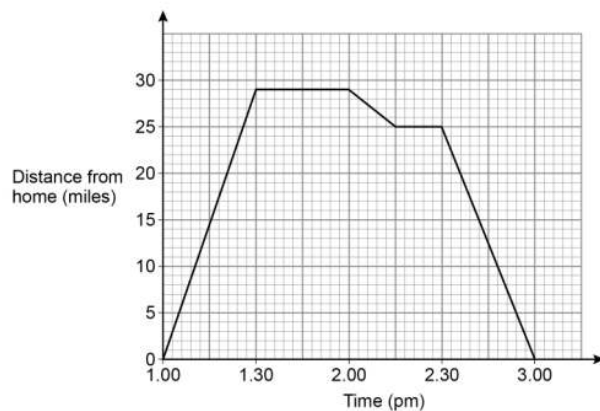
$$p = m + 5$$

$$p = 5m$$

$$p = m - 5$$

Question 12

Here is the distance-time graph for a car between 1 pm and 3 pm.

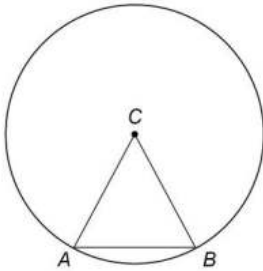


12.(a) Work out the total time that the car is not moving between 1 pm and 3 pm. State the units answer.

12 (b) Work out the total distance the car travels between 1 pm and 3 pm.

Question 13

A and B are points on a circle. C is the centre of the circle.



Tick one box for each statement:

Statement	Definitely true	Might be true	Cannot be true
Line AB is a tangent to the circle			
AC is an arc of the circle			
Triangle ABC is equilateral			

Question 14

To travel to a festival, a group of people will hire a minibus. This formula has all costs in £:

$$\text{Cost per person} = \frac{165 + \text{cost of the minibus}}{\text{number of people in the group}}$$

14 (a)

With 12 people in the group, the cost of the minibus will be £567.

Work out the cost per person.

14 (b)

With 15 people in the group, they will hire a different minibus. The cost per person will be £50.

Work out the cost of this minibus.