

AQA GCSE Mathematics Calculator 2023 Foundation Paper 2 Revision Worksheet

Question 6

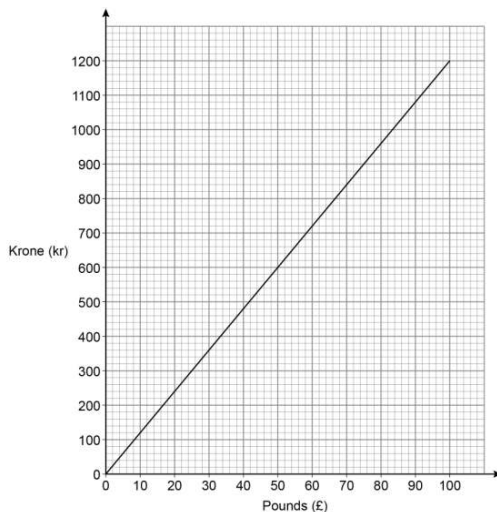
Complete the bank statement.

Date	Description	Credit (£)	Debit (£)	Balance (£)
01/11/2021	Starting balance			736.28
05/11/2021	Rent		450.00	
14/11/2021	Refund	25.00		
27/11/2021	Wages	1830.29		

(7) Put all the numbers 4, 5, 6, 10 and 20 into the grid so that the numbers in each row and each column multiply to 120.

	3		120
	2	12	120
		1	120
120	120	120	

(8) The graph below is used to convert between pounds (£) and Norwegian krone (kr).



8 (a)

Convert 720 krone into pounds.

8 (b)

Convert £500 into krone.

(9) Connor is estimating the answer to $385 + 1479$

9 (a)

He rounds each number to the nearest 10. Work out his estimate.

9 (b)

Connor says, "My estimate will be more than the exact answer." How does he know this without working out the exact answer?

(10) Here are the salaries, in £, of the 6 workers in a company.

18 300, 20 700, 21 500, 21 500, 21 500, 99 000

10 (a)

Work out the mean salary.

10 (b)

Why is the mean not the best average to represent the salaries?

(11) Zoe's mass is 55 kilograms. Work out her mass in stones and pounds. Use 1 kilogram = 2.2 pounds, 14 pounds = 1 stone.

Answer ___ stones ___ pounds

12 (a)

A sauce is made from cream and stock in the ratio cream : stock = 1 : 6. **How much sauce** can be made using 80 millilitres of cream?

12 (b)

A different sauce is made from olive oil and tomato juice in the ratio olive oil : tomato juice = 1 : 14. What **fraction** of this sauce is olive oil?

13 (a)

Multiplying y by 6 gives the same result as adding 15 to y . Write this as an equation.

13 (b)

Show that the value of y is not 4.

(14) A golf club is organising a trip for 42 people. The costs are shown in the table:

- Minibus hire £450 per minibus
- Fuel £26 per minibus
- 1 game of golf £18.50 per person

Each minibus can hold 15 people. Each person will play 2 games of golf. The cost of the trip will be shared equally by the 42 people.

Work out the cost per person.

(15)

An ordinary fair dice is rolled ten times.

Here are the first nine results.

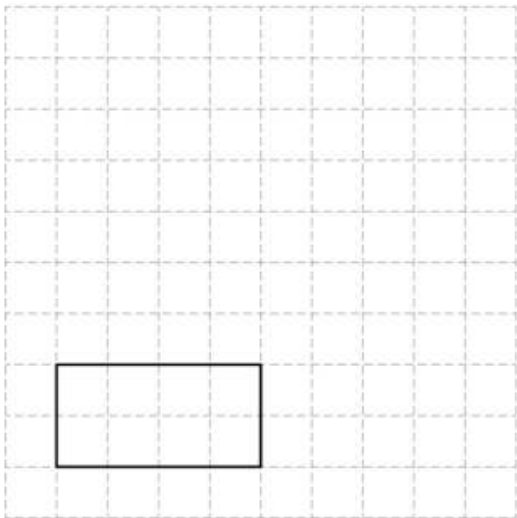
6 1 3 2 1 5 5 5 5

Write down the probability of getting a 5 on the tenth roll.

(16) $r : w = 1 : 4$ Write down the ratio $r^2 : w^2$

17 (a)

A rectangle is drawn on a square grid. On the grid, draw a congruent rectangle.



17 (b)

Here is the rectangle on a different square grid. On this grid, draw a similar rectangle which is not congruent.

