

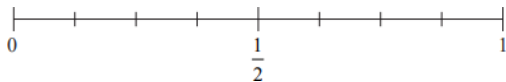
Edexcel GCSE Mathematics Non-Calculator 2022 Foundation Paper 1 Revision Worksheet

1. Write 0.3 as a fraction.
2. Work out 3^2
3. Work out $20 \div (3 + 2)$
4. Fay is planning a trip to a theme park for 1 adult and 2 children. These are the costs for the trip:
 - Total cost of petrol: £23
 - Tickets to theme park: £33 each adult, £24.50 each child
 - Meals: £15 each adult, £10 each childFay has £200 to spend. She pays all the costs. How much money does she have left?

5. Here is a list of 8 letters: B, C, A, A, A, A, B, A

(a) Write down the mode. (b) One of the 8 letters is going to be picked at random.

(i) On the probability scale, mark with a cross (×) the probability that this letter will be B



(ii) Find the probability that this letter will be C.

6. Solve the following equations: (a) $m - 3 = 4$ (b) $3n + n = 24$
7. A shop sells jars of coffee. Each jar of coffee costs £4. Michael has £23.

(a) Work out the greatest number of jars of coffee Michael can buy.

(b) In a sale on Wednesday, jars of coffee are sold at half price. Michael thinks that he can now buy exactly twice the number of jars of coffee for £23.

Is Michael correct? You must give a reason for your answer.

8. Elena spent 120 minutes at a sports centre. She played badminton for 50 minutes. She used the swimming pool for $\frac{1}{6}$ of the 120 minutes. She used the gym for 20% of the 120 minutes. She then spent the rest of the 120 minutes in the cafe.

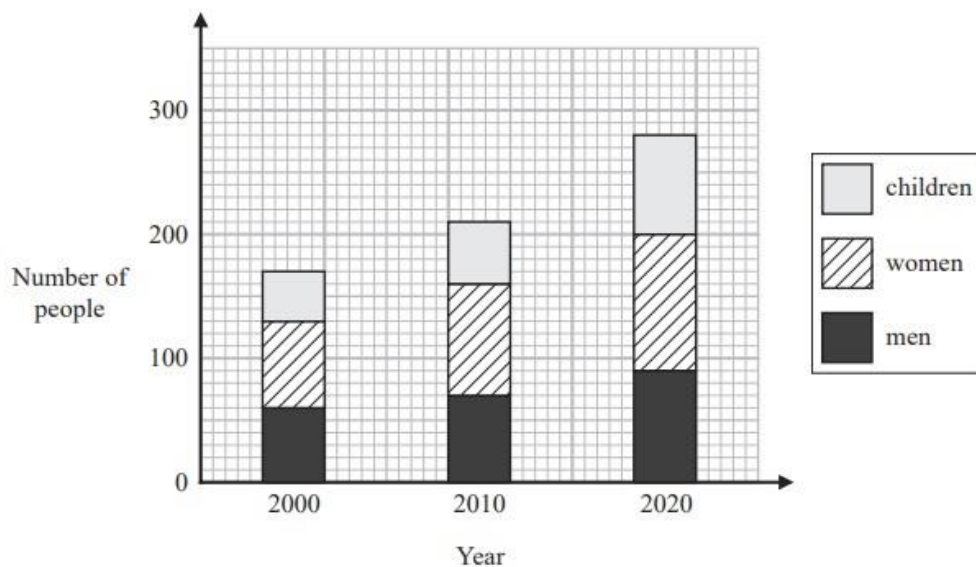
(a) Work out the total time, in minutes, that Elena spent in the cafe.

(b) Elena got to the sports centre at 1.30 pm. She had asked her friend to meet her in the cafe at 3 pm.

Did Elena get to the cafe by 3 pm? Give a reason for your answer.

9. The composite bar chart shows information about the number of people living in a village.

The composite bar chart shows information about the number of people living in a village.



(a) Write down the number of men living in the village in the year 2000

(1)

(b) Find the number of children living in the village in the year 2010

(1)

For the people living in the village in the year 2020

(c) find the ratio of the number of children to the **total** number of men and women.

10. Jenny drives from London to Swindon at an average speed of 54 miles per hour. She drives for $1\frac{1}{2}$ hours.
- (a) Work out the distance from London to Swindon.
- (b) Aleksy is using a map. The map has a scale of 1 : 25 000. On the map a road has a length of 6 cm. Work out the length, in kilometres, of the real road.