

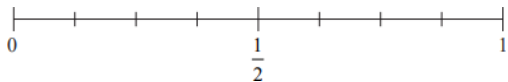
Edexcel GCSE Mathematics Non-Calculator 2022 Foundation Paper 1 Revision Worksheet

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.

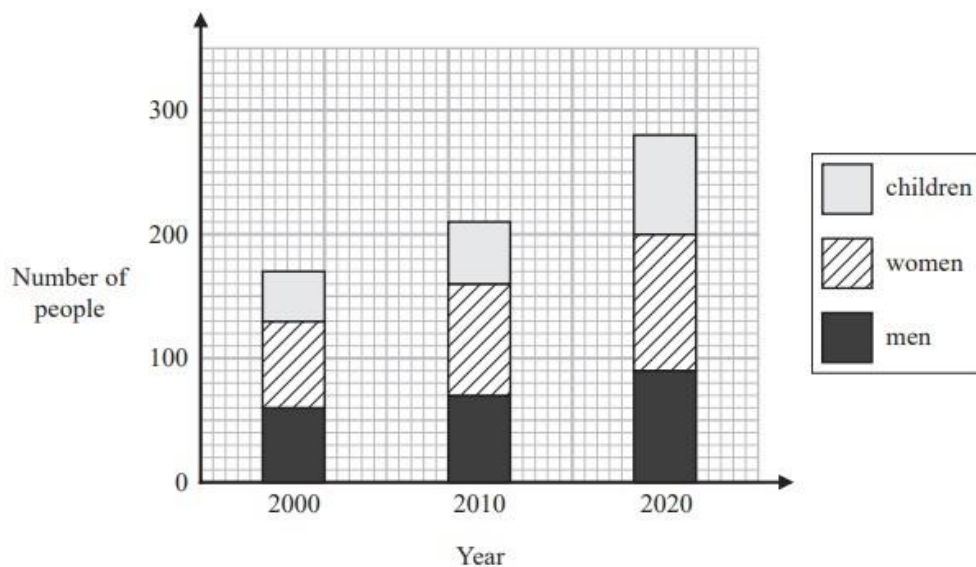
(a) Work out the total time, in minutes, that Elena spent in the cafe.

- (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.