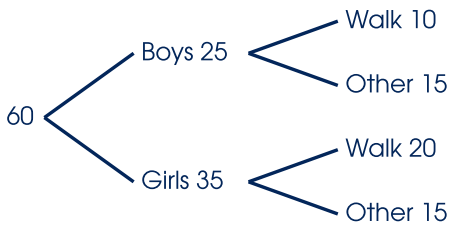
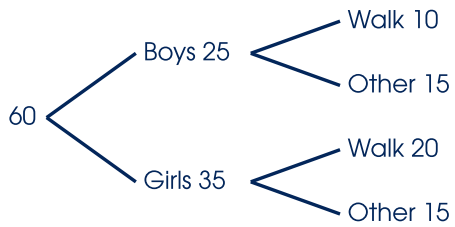
GCSE HIGHER · REVISION MAT 1

Frequency trees

1 How many girls walk to school?



2 How many students walk to school?



3 Explain how a frequency tree is different from a probability tree.

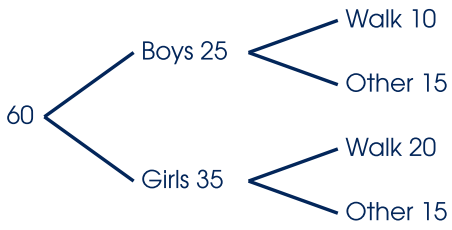
4 100 people: 45 are male and 30 of the males wear glasses.

40 people wear glasses altogether.

How many females do not wear glasses?

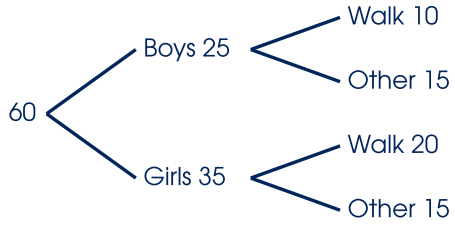
5 Show that

P(a girl who walks) = $\frac{1}{3}$.

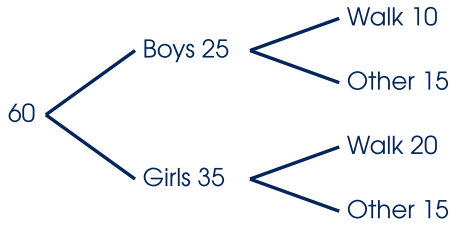


6 A student who walks is chosen.

Find P(boy).



7 Show the information in a two-way table.



8 120 people took a test and $\frac{3}{4}$ passed.

Of those who passed, $\frac{2}{3}$ had revised.

Of those who failed, $\frac{1}{5}$ had revised.

How many revised?

Mr&Mrs MATHS

ANSWERS · REVISION MAT 1

Frequency trees

1 20

2 30

3 A frequency tree shows numbers of people or items; a probability tree shows probabilities.

4 Females 55, female glasses 10

45

5 $\frac{20}{60} = \frac{1}{3}$

6 $\frac{10}{30} = \frac{1}{3}$

7 Boys: walk 10, other 15

Girls: walk 20, other 15

8 Passed 90: 60 revised

Failed 30: 6 revised

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