

12th August



Corbettmaths

At a football match, the ratio of women to men is 2:5.

The ratio of women to children is 7:6.

What percentage of the people at the football match are children?

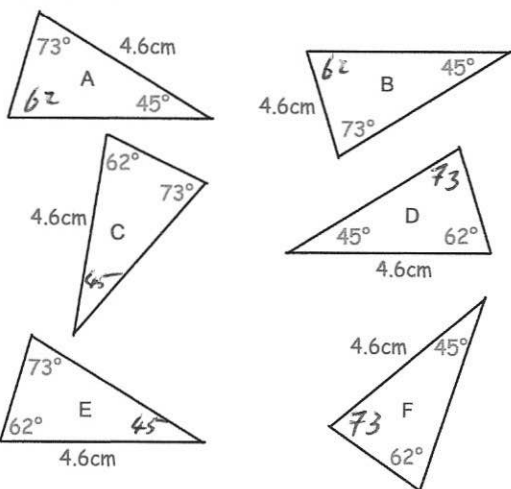
$$m:w:c$$

$$5:2$$

$$7:6$$

$$35:14:12$$

$$35+14+12=61 \quad \frac{12}{61} \times 100 = 19.67\%$$



Which triangles are congruent?

A & F

C & D & E



A counter is selected at random, the letter recorded and the counter put back into the bag. A second is then selected.

What is the probability that both letters are different?

$$P(AC) = \frac{3}{5} \times \frac{2}{5} = \frac{6}{25}$$

$$P(CA) = \frac{2}{5} \times \frac{3}{5} = \frac{6}{25}$$

$$\left. \begin{array}{l} \frac{6}{25} \\ \frac{6}{25} \end{array} \right\} \frac{12}{25}$$

Arrange in ascending order

938000 9.4×10^3 10×5^8
 9400 3906250

9.4×10^3 938000 10×5^8