

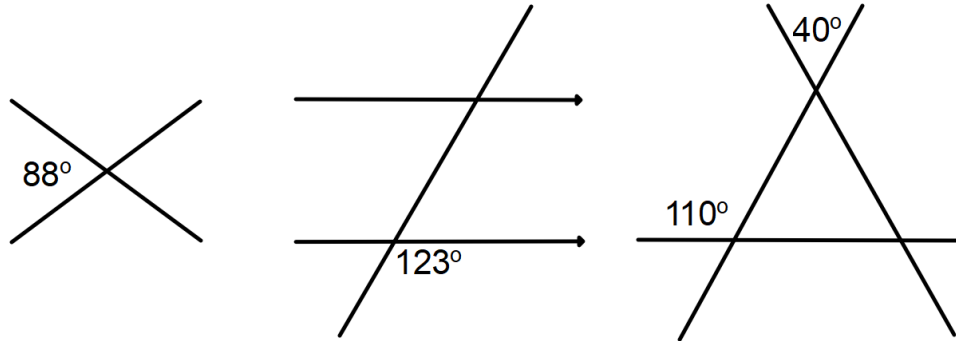
S2 Homework 7

No calculator allowed!!

1) $3 \times 4 + 5 \times 3$ 2) $3 + 4 \times 5 + 3$ 3) $(3 + 4) \times (5 + 3)$ 4) $(3 + 4)^2 + (5 + 3)^2$

Revision of S1 work

5) Copy these diagrams in to your jotter and fill in the sizes of all the other angles.



S2 work

- 6) A train travels 5 miles in 6 minutes. The speed limit on this section of the track is 45mph. Has the train broken the speed limit? Remember to show working.
- 7) Callum runs at an average speed of 6mph for 42 minutes. Doug's average speed is 1mph less but he runs for 12 more minutes. How much further does Doug run than Callum?
- 8) How long will it take to cover 91km at 37km/h? Give your answer in hours and minutes, rounding to the nearest minute.
- 9) a) $\frac{3}{5} + \frac{2}{7}$ b) $\frac{3}{5} - \frac{2}{7}$ c) $\frac{3}{5} \times \frac{2}{7}$ d) $\frac{3}{5} \div \frac{2}{7}$
- 10) a) $1\frac{1}{4} + 1\frac{1}{8}$ b) $1\frac{1}{4} - 1\frac{1}{8}$ c) $1\frac{1}{4} \times 1\frac{1}{8}$ d) $1\frac{1}{4} \div 1\frac{1}{8}$

UK Junior Maths Challenge Question

Gill is now 28 years old and is a teacher of Mathematics at a school which has 600 pupils. There are 30 more girls than boys at the school.

How many girls are at Gill's school?

- A 270 B 300 C 315 D 330 E 345