Maths challenges

>, < or =

20 x 60 ◯ 40 x 80

9832 – 1345 ◯ 4356 + 3953
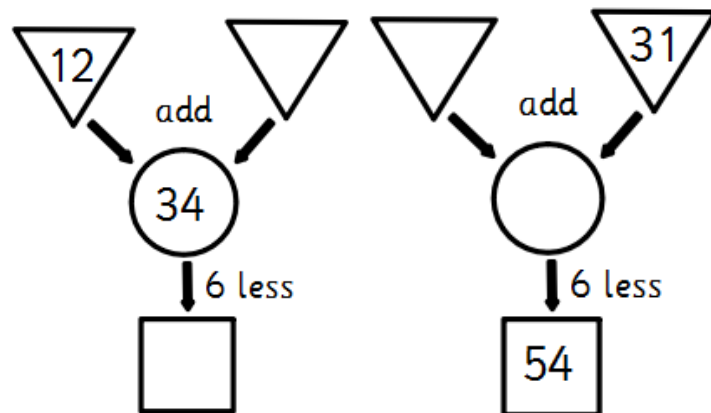
34 x 6 ◯ 17 x 21

456 ÷ 4 ◯ 864 ÷ 8

Number sequences

The numbers in this sequence increase by 3 each time
3, 6, 9, 12, 15…

The numbers in this sequence increase by 5 each time
5, 10, 15, 20, 25…

Write a number larger than 100 that will appear in both of these sequences.

Function machines

In these diagrams, the numbers in the triangles add to make the number in the circle. The number in the square is 6 less than the number in the circle.

12 △   △
add
◯ 34
↓ 6 less
▢

△   △ 31
add
◯
↓ 6 less
▢ 54

Sports day

Aisha runs 4 laps of a running track.
The total distance Aisha runs is 800 metres.

Ben runs 7 laps of the same track.
How far does Ben run?