Miss Hughes' group - Gold reasoning and problem solving

7a. Use the clues to work out the number.

When I divide my number by 3, I get an odd number.

The sum of its digits is more than five.

My number is a multiple of 5 and is less than 30.

7b. Use the clues to work out the number.

My number is an even multiple of three and is less than forty.

> The tens digit is smaller than the ones digit.

My ones digit is the same as 2×3 .

8b. Trent is planning a pattern. He writes

star, star, triangle, star, star, triangle

know which shapes will

be triangles.

down what shapes he will use.



8a. Judy is planning a pattern. She writes down what shapes she will use.

circle, circle, square, circle, circle, square



The sixth shape in my pattern is a square, so the 10th and 15th shapes will also be squares.

Is she correct? Explain your answer.



shelves?

If I count in fives I will

9b. There are 7 books on a shelf. How

many books would there be on 3

Is he correct? Explain your answer.

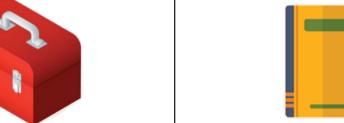




9a. There are 9 tools in a toolbox. How many tools would there be in 3 toolboxes?



Write the number sentence to show how you worked this out.



Write the number sentence to show how you worked this out.

