

1.

a) Count forwards in the steps shown from each number:

Count on in steps of	Starting number				
100	34 863				
100 000	609 812				
1000	739 004				

b) Count backwards in the steps shown from each number:

Count back in steps of	Starting number				
10	900,023				
10 000	121,034				
1000	4,834				

2. Write the two missing numbers.

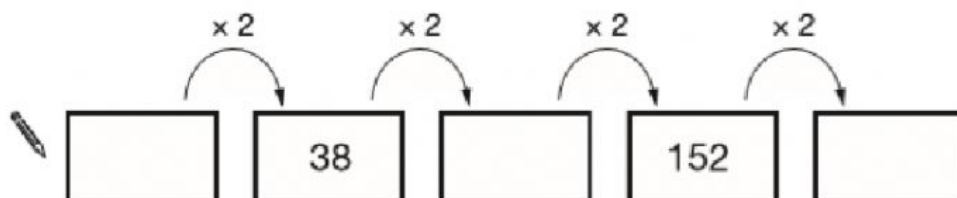
___ 610 650 690 ___

3. The numbers in this sequence increase by 10 each time.

3 13 23 ...

The sequence continues in the same way. Write two numbers from the sequence that add to make a total of 96. Explain why it is not possible to find three numbers from the sequence that add to make a total of 96

4. Here is a doubling sequence. Write the three missing numbers.



5. Multiply these numbers, using a formal written method:

$$783 \times 6$$

$$4092 \times 5$$

$$612 \times 7$$

$$2981 \times 5$$

6. Divide the following using a formal short method

$$357 : 7$$

$$2871 : 9$$

$$645 : 7$$

$$359 : 4$$

7. Complete these calculations.

$$15 \times 100 = \underline{\hspace{2cm}}; \quad \underline{\hspace{2cm}} \times 10 = 1500;$$

$$\underline{\hspace{2cm}} \div 100 = 150; \quad \underline{\hspace{2cm}} 150 \div 10 =$$

8. Use your knowledge of place value to multiply and divide the following:

$$700 \times 400 = \underline{\hspace{4cm}}$$

$$70 \times 30 \times 50 = \underline{\hspace{4cm}}$$

$$1500 \times 50 = \underline{\hspace{4cm}}$$

$$1,6 \times 40 = \underline{\hspace{4cm}}$$

9. Complete these calculations using a smart method:

$$49 \times 13 = \underline{\hspace{4cm}}$$

$$32 \times 25 = \underline{\hspace{4cm}}$$

$$61 \times 34 = \underline{\hspace{4cm}}$$

$$96 : 8 = \underline{\hspace{4cm}}$$

$$225 : 5 = \underline{\hspace{4cm}}$$

$$63 : 7 = \underline{\hspace{4cm}}$$

10. a) Seb has a box of 120 cubes. He uses some of the cubes to build a tower. 77 cubes are left over. How many cubes has he used?

10. b) Seb has 77 cubes left over. He builds two more towers. One tower uses 18 cubes and the other uses 35 cubes. How many of his 77 cubes has he got left now?

11. The school canteen needs to make enough cottage pie to feed 244 children. A tray of cottage pie feeds 8 children. How many trays do they need to make?

12. The school canteen needs to make enough milkshake for the 197 children. One jug holds enough milkshake for 5 children. How many jugs do they need to make?
