11.02.21

Can I use the grid method to solve word problems?

Example 1 Sam saves £8 a week. How much will Sam save in 52 weeks?

8 x 52 = 416

 X 50 2

 8 400 16

400 + 16 = 416 (use a numberline to help with your addition)

Sam will save £416 in 52 weeks.

Example 2 A train carries 234 passengers on each journey. It makes this journey 5 times a day. How many passengers are carried in one day?

234 x 5 = 1170

 X 200 30 4

 5 1000 150 20

1000 + 150 + 20 (use a numberline to help with your addition)

1170 passengers can be carried in one day.

Remember to use RUCSAC

R = Read

U = Understand and underline

C = Choose the operation – today you will be using multiplication

S = Solve the question

A = Answer the question - this means write a sentence

C = Check your answer – check the numbers have been copied correctly, your multiplication is correct and your addition is accurate.

1. There are 4 tennis balls in each can. How many balls are there in 58 cans bought by the tennis club?
2. There are 8 flowers in each bunch. How many flowers are there in 18 bunches?
3. A necklace is made with 45 beads. How many beads are needed for 6 necklaces?
4. There are 36 strawberries on a plate, how many strawberries are there on 5 plates?
5. A tin of beans weighs 225g. What is the weight of 4 cans?
6. A junior school has 118 pupils. A secondary school has 6 times as many. How many children go to the secondary school?
7. The ferry carries 432 cars each crossing. It makes 6 crossings a day. How many cars are carried in one day?
8. Tickets for a film cost £5. There are 537 people in the audience. How much is taken at the box office?