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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.

1. There are 4 tennis balls in each can. How many balls are there in 58 cans bought by the tennis club? There are 232 tennis balls.
2. There are 8 flowers in each bunch. How many flowers are there in 18 bunches? There are 144 flowers altogether.
3. A necklace is made with 45 beads. How many beads are needed for 6 necklaces? 270 beads are needed for 6 necklaces.
4. There are 36 strawberries on a plate, how many strawberries are there on 5 plates? There are 180 strawberries altogether.
5. A tin of beans weighs 225g. What is the weight of 4 cans? 4 cans weigh 900g.
6. A junior school has 118 pupils. A secondary school has 6 times as many. How many children go to the secondary school? 708 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? 2592 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? The box office takes £2685.