

Word problems: multi-step

Name: _____

Date: _____

Read each problem, write it as one expression on the line, then work out the answer.

1. A hall already has 8 square metres of carpet. Three more rooms, each 4 metres by 4 metres, are carpeted too. How many square metres in all?

2. A shop has 4 boxes with 12 pens in each and 3 boxes with 8 pencils in each. How many items are there altogether?

3. A school orders 5 packs of 20 exercise books, then gives 15 books to each of 4 classes. How many books are left?

4. A coach trip costs 240 euros in total. It is shared equally between 3 classes of 8 children. How much does each child pay?

5. There are 14 cars in the car park. Six more rows of 9 cars arrive, and 5 cars drive away. How many cars are there now?

6. Diego earns 9 euros an hour and works 6 hours. He pays 12 euros for the bus there and 12 euros back. How much does he keep?

Answer key: Word problems: multi-step

Read each problem, write it as one expression on the line, then work out the answer.

1. A hall already has 8 square metres of carpet. Three more rooms, each 4 metres by 4 metres, are carpeted too. How many square metres in all?

$$8 + 3 \times 4^2 = 56$$

2. A shop has 4 boxes with 12 pens in each and 3 boxes with 8 pencils in each. How many items are there altogether?

$$4 \times 12 + 3 \times 8 = 72$$

3. A school orders 5 packs of 20 exercise books, then gives 15 books to each of 4 classes. How many books are left?

$$5 \times 20 - 4 \times 15 = 40$$

4. A coach trip costs 240 euros in total. It is shared equally between 3 classes of 8 children. How much does each child pay?

$$240 \div (3 \times 8) = 10$$

5. There are 14 cars in the car park. Six more rows of 9 cars arrive, and 5 cars drive away. How many cars are there now?

$$14 + 6 \times 9 - 5 = 63$$

6. Diego earns 9 euros an hour and works 6 hours. He pays 12 euros for the bus there and 12 euros back. How much does he keep?

$$6 \times 9 - 2 \times 12 = 30$$