

Work independently to answer these questions:



1) 16.2, 162.99, 1.564, 1.9

162.99, 16.2, 1.9, 1.564

3) 2.53, 2.131, 2.33, 3.198, 0.24

3.198, 2.53, 2.33, 2.131, 0.24

5) 0.42, 0.2, 0.244, 0.34, 0.05

0.42, 0.34, 0.244, 0.2, 0.05

7) 9.9, 7.234, 7.88, 9.093, 9

9.9, 9.093, 9, 7.88, 7.234

2) 17.1, 17.002, 7.112, 7.03

17.1, 17.002, 7.112, 7.03

4) 0.34, 0.456, 0.1, 1.78, 7.9

7.9, 1.78, 0.456, 0.34, 0.1

6) 5.6, 0.62, 5.735, 0.749

5.735, 5.6, 0.749, 0.62

8) 0.03, 3.02, 2.033, 2.3, 4.555

4.555, 3.02, 2.3, 2.033, 0.03

Word problems with four operations

Question(s) from the baseline

11) A vet performs 13 operations in one week. How many operations would they perform in 5 weeks?

12) A hairdresser gave 585 haircuts in 9 weeks. On average, how many haircuts did she do each week?

Talk to your tutor about these types of questions. What do you find confusing about them or what don't you understand?

Encourage pupils to think about which operation(s) they will be using before starting any work, in this case multiplying.

Worked example 1

Grace swims 30 lengths every day. How many lengths would she swim in two weeks?

14 days in two weeks

$$\begin{array}{r} 30 \\ \times 14 \\ \hline 120 \\ 300 \\ \hline 420 \end{array}$$

420 lengths

Worked example 2

Jake buys three t-shirts for £5.40 each. How much change does he get from a £20 note?

$$\text{£}5.40 \times 3 =$$

$$\begin{array}{r} 5.40 \\ \times 3 \\ \hline \text{£}16.20 \end{array}$$

$$\text{£}20.00 - \text{£}16.20$$

$$\begin{array}{r} 19 \\ \text{£}20.00 \\ - \text{£}16.20 \\ \hline 03.80 \end{array}$$

Jake will get £3.80 change

Work with your tutor to answer these questions:



1) How many sides do eight triangles have?

24

3) Each crisp packet weighs 6g. Altogether a group of crisp packets weigh 48g. How many packets of crisps must there be?

8

2) Joel goes to the cinema with his two friends and buys all their tickets. He pays £15 and gets £1.05 change. What is the cost of one ticket?

£4.65

4) Ishmail buys 3 bags of peanuts for £1.20 each. How much change does she get from a £5 note?

£1.40

Work with your group to answer these questions:



1) Jackie has 165 cupcakes. She packs them into boxes of 5. How many boxes does she have?

33

3) Hannah buys two t-shirts for £3.40 each and two bags for £5.80 each. Does she have enough money if she gives the shop £20?

Yes, with £1.60 change

2) 236 birds were sitting in a tree. Some more fly up and now there are 314 birds in the tree. How many more flew up to the tree?

78

4) A shop orders 5 boxes of bread rolls. Each box has 12 bags of rolls. Each bag has 6 rolls inside. How many rolls are there altogether?

360

5) 134 pupils go on a school trip. Coaches can only carry 9 people. How many coaches are needed for the pupils?

15

6) 7 people buy a 330ml bottle of water and 2L bottle of lemonade. 2 share the water equally and 5 share the lemonade equally. How much drink does each person get?

165ml of water each, 400ml of lemonade each

Work independently to answer these questions:



1) 238 people attend a football game. Half of the people leave at half time. How many people left at half time?

119

3) To make a 5L drink you need 1.38L pineapple juice and 2.45L orange juice. If the rest is apple juice, how much apple juice do you need?

1.17L

5) A shop orders 4 boxes of bananas. Each box has 13 bunches of bananas. On each bunch is 5 bananas. How many bananas are there altogether?

260

7) I cook 265g of pasta for 5 people and they each get an equal share. How many grams of pasta does each person get?

53g

2) Packs of coke come in 6s. Each coke is 330ml. How many ml in a pack of coke?

1980ml

4) One person buys their lunch for the week and it costs them £23.50 in total. How much would it cost them for four weeks?

£94.00

6) 12,789 people attended 4 football games. The attendance of the first 3 was 4,896 and 3,921 and 3,021. How many attended the last game?

951

8) Harry had 83 books. He gave away 12 to his brother and 13 to his friend. How many did he have left?

58 left