Skillswise

Problem solving with division - answers

1.

Step 1 Read and understand the problem.	Your friend has been asked to write a report of 750 words about her work placement. She writes 250 words per page. How many pages will she write?
Step 2 Work out what calculations you need to do.	You could work this out by division - how many lots of 250 in 750? Or you might feel more comfortable saying 250 words on 1 page, 500 words on 2 pages, so 750 words will be 3 pages.
Step 3 Carry out the calculations and answer the problem.	750 ÷ 250 = 3 She will need to write 3 pages.
Step 4 Check your answer works.	Check by multiplication: 250 × 3 = 750 The answer is correct.

2.

Step 1 Read and understand the problem.	A toy factory has 256 fluffy toy dogs. Seven fluffy dogs fit into 1 box. How many boxes will be needed?
Step 2 Work out what calculations you need to do.	How many sets of 7 fluffy dogs can you make from 256 dogs? This will be worked out by dividing 256 by 7.
Step 3 Carry out the calculations and answer the problem.	256 ÷ 7 = 36 with 4 dogs left over. So you will need 36 boxes + 1 more box for the 4 dogs left over. The factory will need 37 boxes.
Step 4 Check your answer works.	Check by multiplication. 37 × 7: 30 × 7 = 210 7 × 7 = 49 Total = 259. This is 3 more than 256 but 36 boxes would be too few. The answer is correct.