Problem solving with division: money - answers

1.

Step 1 **Read and understand the problem.**	Five friends share a prize of £1,000. How much does each person receive?
Step 2 **Work out what calculations you need to do.**	This will be a division. £1,000 shared between 5.
Step 3 **Carry out the calculations and answer the problem.**	1,000 ÷ 5 = 200 Each person receives £200.
Step 4 **Check your answer works.**	Check by multiplication: 200 × 5 = £1,000 The answer is correct.

2.

Step 1 **Read and understand the problem.**	Two friends are delivering leaflets. One person delivers 3 batches and the other person delivers 2. How should they share the £20 they are paid?
Step 2 **Work out what calculations you need to do.**	This seems tricky at first. Find out how many batches are delivered in total (addition). Then work out how much would be paid for delivering 1 batch - divide the money paid (£20) by the number of batches. Then work out the separate sums of money for 3 batches and 2 batches with multiplication.
Step 3 **Carry out the calculations and answer the problem.**	3 batches + 2 batches = 5 batches. £20 paid for 5 batches; so for 1 batch it will be £20 ÷ 5 = £4. So they are paid £4 to deliver 1 batch. One person delivers 3 batches, so 3 x £4 = £12. The other person delivers 2 batches, so 2 x £4 = £8. The person who delivers 3 batches should receive £12 and the person who delivers 2 batches should receive £8.
Step 4 **Check your answer works.**	Check that the separate payments add up to £20: £12 + £8 = £20 You could also check the payment of one of the people: one person gets paid £8 for delivering 2 batches. 8 ÷ 2 = £4, which is the price paid for one batch. The answer is correct.