

Division

1) Sarah and John are both calculating the answer to $147 \div 4$

Sarah says "The answer is 36 remainder 3."

John says "The answer is 36.75." Who do you agree with? Explain your answer.

2) Jess has £453. She splits her money between four different bank accounts. How much does she put in each bank account?

3) Find the smallest number that can be added to 92.7 to make it exactly divisible by 7. How about 8?

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1) Sarah and John are both calculating the answer to
 $147 \div 4$

Sarah says "The answer is 36 remainder 3."

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They are both correct depending on how they answer the question.

If the question asks for a remainder then Sarah is correct.

If they ask for a decimal number or it involves measurements or money then John is correct.

2) Jess has £453. She splits her money between four different bank accounts. How much does she put in each bank account?

£113.25

3) Find the smallest number that can be added to 92.7 to make it exactly divisible by 7. How about 8?

0.05 as 92.75 is divisible by 7 to give 13.25
5.3 if dividing for a whole number

0.02 as 92.72 is divisible by 8 to give 11.59
3.3 if dividing for a whole number