



## Problems involving 'real life', money or measures

Whole class activity

Jamie's dad is selling his car. The man who is helping him sell it takes 3% of the sale price as payment for his work. If Jamie's dad sells his car for £8275, how much money will the seller make?

The Year 6 classroom is made up of two areas. The wet area where the sink is measures 3 metres by 6 metres and the carpeted area measures 8 metres by 12 metres. What is the area of the classroom?

The local high school takes in children from seven local primary schools. This year the intake is 467. What is the average number of children coming from each primary school?

1. The school canteen has ordered 1.4 litres of squash. To make one cup of squash they need to mix 50ml of squash with 150ml of water. How many cups of squash can they make? How many litres of water will they use?  
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2. The school has won a competition and has been awarded £246 to spend on classroom resources. There are 6 classes in the school. How much will each class have to spend?  
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3. The school library has 6 aisles. Each aisle has 8 shelves and each shelf holds 20 books. How many books are in the library?  
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4. In France a book costs 5.88 euros. The same book in Great Britain costs £4. What is the exchange rate?  
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5. Sarah is practising her running. She starts off on Monday by being able to run 400 metres in 2 minute and 40 seconds. Every day for a week she speeds up a tenth of a minute. How fast will she be running by Friday?  
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6. If there is 2.54cm to an inch, how many centimetres long are the tables in the classroom if they measure 15 inches in length?  
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7. A box of books weighs 36kg. The books inside are of similar size and shape. If there are 12 books inside the box what does the average book weigh?  
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8. Class 6 carried out a survey and found that their class of 35 pupils watched 188 hours of television per week altogether. What is the average length of time in a week each pupil spends watching television?  
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9. I think of a number and add 7.25 and multiply by 5. The answer is 88.75. What was my number?  
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10. The local park is 14m wide and 12m long. The man who cuts the grass uses a mower that cuts 2m<sup>2</sup> of grass in 3 seconds. How long will it take him to cut the grass in the park?



**Problems involving 'real life', money or measures**

1. The school canteen has ordered 2.4 litres of squash. To make one cup of squash they need to mix 50ml of squash with 150ml of water. How many cups of squash can they make? How many litres of water will they use?  
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2. The school has won a competition and has been awarded £546 to spend on classroom resources. There are 6 classes in the school. How much will each class have to spend?  
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3. The school library has 6 aisles. Each aisle has 18 shelves and each shelf holds 30 books. How many books are in the library?  
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4. In France a book costs 13.59 euros. The same book in Great Britain costs £9. What is the exchange rate?  
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5. Sarah is practising her running. She starts off on Monday by being able to run 400 metres in 2 minutes and 43 seconds. Every day for a week she speeds up a tenth of a minute. How fast will she be running by Friday?  
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6. If there is 2.54cm to an inch, how many centimetres long are the tables in the classroom if they measure 22 inches in length?  
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7. A box of books weighs 34kg. The books inside are of similar size and shape. If there are 25 books inside the box what does the average book weigh?  
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8. Class 6 carried out a survey and found that their class of 35 pupils watched 288 hours of television per week altogether. What is the average length of time in a week each pupil spends watching television?  
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9. I think of a number and add 7.25 and multiply by 5. The answer is 108.75. What was my number?  
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10. The local park is 24m wide and 32m long. The man who cuts the grass uses a mower that cuts 2m<sup>2</sup> of grass in 3 seconds. How long will it take him to cut the grass in the park?

1. The school canteen has ordered 4.8 litres of squash. To make one cup of squash they need to mix 50ml of squash with 150ml of water. How many cups of squash can they make? How many litres of water will they use?

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2. The school has won a competition and has been awarded £846 to spend on classroom resources. There are 6 classes in the school. How much will each class have to spend?

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3. The school library has 12 aisles. Each aisle has 18 shelves and each shelf holds 30 books. How many books are in the library?

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4. In France a book costs 16.56 euros. The same book in Great Britain costs £12. What is the exchange rate?

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5. Sarah is practising her running. She starts off on Monday by being able to run 400 metres in 3 minutes and 23 seconds. Every day for a week she speeds up a tenth of a minute. How fast will she be running by Friday?

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6. If there is 2.54cm to an inch, how many centimetres long are the tables in the classroom if they measure 42 inches in length?

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7. A box of books weighs 64kg. The books inside are of similar size and shape. If there are 25 books inside the box what does the average book weigh?

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8. Class 6 carried out a survey and found that their class of 35 pupils watched 488 hours of television per week altogether. What is the average length of time in a week each pupil spends watching television?

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9. I think of a number and add 7.25 and multiply by 15. The answer is 255. What was my number?

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10. The local park is 34m wide and 42m long. The man who cuts the grass uses a mower that cuts 2m<sup>2</sup> of grass in 3 seconds. How long will it take him to cut the grass in the park?