

### **Division Problems**

*Interpret your division answers in suitable ways to answer the following questions:*

1. I earn £246 in a week, working 40 hours. How much is that per hour?
2. An allotment, area  $300m^2$ , is shared between 9 people. How much is that each?
3. How many £8 DVDs can I buy with £55?
4. 108 students are to be taken on 32-seater buses. How many buses do we need?
5. Tax is calculated by dividing profit by 5. How much is tax for a profit of £539.28?
6. 290 year 7 students are to be put fairly into 11 form groups. How many in each?

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## Division Problems SOLUTIONS

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1. Answer as a decimal: £6.15

2. Answer with a fraction part:  $33\frac{1}{3} m^2$

3. Round down (with remainder showing money left over): 6 DVDs, £7 left over

4. Round up (with the surplus meaning spare seats are left): 4 buses, 20 spare seats

5. Rounded (up or down): £107.86

6. Answer as different sized groups? 26 students in 7 of the groups, 27 in 4 of them