



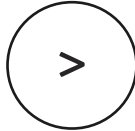
Extra Challenge

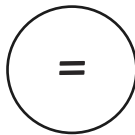
I can divide using a formal written method and interpret remainders according to the context.



Think of your own division problems to suit these comparing equations.

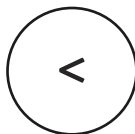
50 people can sit in a row at the theatre.
How many rows will be needed to sit
3852 people?





A cluster of schools are taking part in a
sporting competition. How many 12-a-side
teams can be made from 4275 children?

Arlo has a 1.75l bottle of medicine. He
uses a quarter of it. How many 30ml
spoonfuls of medicine are left over?





Problem Solver Answers

Question	Answer
1.	Anouk had 2427 leaflets to deliver and Otto had 548 less. They bundled them together into packs of 25. How many packs did they have?
173 packs (one pack has six leaflets)	
2.	Abel's reading 10 books that have a combined total of 4735 pages. He reads 11 pages every night. How many days will it take him to finish all the books?
431 days	
3.	How long will it take to pay back a loan of £1847 at the rate of £50 a month?
37 months	
4.	Ezra has a bottle of medicine. It holds 1.34l. He uses half of it. How many spoonfuls of medicine are left if each spoon holds 15ml?
44 full spoonfuls	
5.	There are 472 adults and 227 children going to London on coaches. Each coach seats 35 people. How many coaches are needed?
20 coaches	
6.	Wyatt has been saving his money. He has £582. His mum gives him a further £429. He wants to buy some concert tickets for himself and his friends. They cost £50 each. How many can he buy?
20 tickets	



Problem Solver

I can divide using a formal written method and interpret remainders according to the context.



Cut out the word problems. Sort the word problems on to the table and then solve the problem using short division, remembering to round the remainder up or down depending on the context.

Round Up	Round Down





Problem Solver Answers

Question	Answer	
Cut out the word problems. Sort the word problems on to the table and then solve the problem using short division, remembering to round the remainder up or down depending on the context.		
	Round Up	Round Down
<p>Amil has 529 T-shirts. Each box holds 11 T-shirts. How many boxes will he need? 49 boxes</p>	<p>A decoration is made from 12cm of ribbon. How many decorations can be made from 845cm of ribbon? 70 decorations</p>	
<p>A primary school are visiting a theatre. Each minibus holds 50 people. If there are 427 people going to the theatre, how many minibuses are needed? Nine minibuses</p>	<p>Eggs are sold in boxes of 12. If Farmer Chris has 739 eggs, how many full boxes can be made? 61 boxes</p>	
<p>12 people can sit in a row at the theatre. How many rows will be needed to sit 427 people? 36 rows</p>	<p>A school is hosting a sporting competition. How many 11-a-side teams can be made from 482 children? 43 teams</p>	
<p>How long will it take to pay back a loan of £582 at the rate of £20 a month? 30 months</p>	<p>A bakery sells cupcakes in boxes of 15. How many boxes can be made from 936 cupcakes? 62 boxes</p>	



Problem Solver

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Round Up	Round Down





Problem Solver Answers

Question	Answer	
Cut out the word problems. Sort the word problems on to the table and then solve the problem using short division, remembering to round the remainder up or down depending on the context.		
	Round Up	Round Down
<p>Mohammad's reading book has 6937 pages. He reads 50 pages every night. How many days will it take him to finish the book? 139 days</p>	<p>It's the conker championship! If the shoelace attached to a conker is made from 15cm of lace, how many shoelaces can be made from 5937cm of lace? 395 shoelaces</p>	
<p>A school needs 2847 plastic cups for the school performance. The cups come in packs of 11. How many packs do they need? 259 packs</p>	<p>Eggs are sold in boxes of 12. If a store has 4893 eggs, how many full boxes can be made? 407 boxes</p>	
<p>12 people can sit in a row at the theatre. How many rows will be needed to sit 6325 people? 528 rows</p>	<p>A cluster of schools is taking part in a sporting competition. How many 11-a-side teams can be made from 5837 children? 530 teams</p>	
<p>The student council have been making road safety badges. They have made a total of 3284 badges for the local community. If a zip-lock bag holds 20 badges, how many bags are needed? 165 bags</p>	<p>A bakery sells cookies in boxes of 12. How many boxes can be made from 3725 cookies? 310 boxes</p>	

Short Division Record Sheet

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