



Short Division

I can divide numbers using the formal written method of short division.



Complete the calculations using the formal written method, short division.

$$15 \overline{) 6315}$$

$$11 \overline{) 8195}$$

$$20 \overline{) 7360}$$

$$15 \overline{) 9525}$$

$$12 \overline{) 6288}$$

$$11 \overline{) 9625}$$

Order the answers to the calculations in order of smallest to largest.

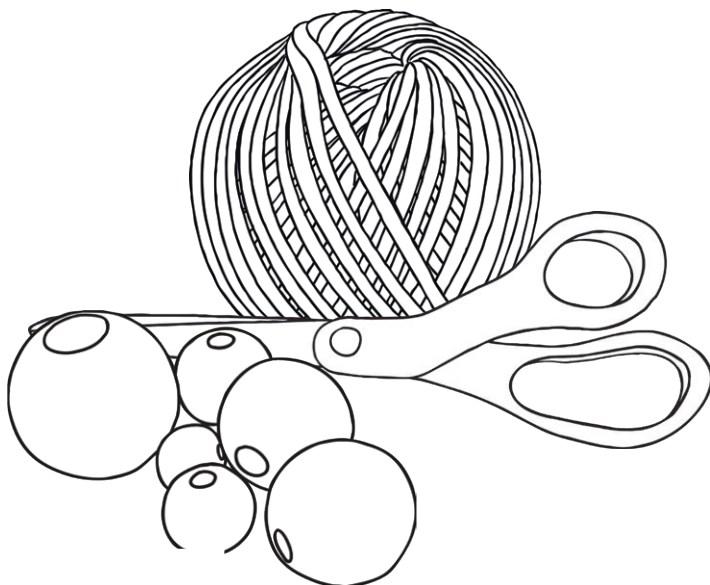
smallest	←—————→					largest

Alice receives a jar of 2250 beads for her birthday. She wants to create necklaces to sell at the Valentine's Day school fayre. There will be 14 beads on each necklace.

How many complete necklaces can she make?

_____ complete necklaces.

Use this space for jottings:





Short Division Answers

Question	Answer										
	Complete the calculations using the formal written method, short division.										
	<table><tbody><tr><td>$\begin{array}{r} 421 \\ 15 \overline{) 6315} \end{array}$</td><td>$\begin{array}{r} 745 \\ 11 \overline{) 8195} \end{array}$</td><td>$\begin{array}{r} 368 \\ 20 \overline{) 7360} \end{array}$</td></tr><tr><td>$\begin{array}{r} 635 \\ 15 \overline{) 9525} \end{array}$</td><td>$\begin{array}{r} 524 \\ 12 \overline{) 6288} \end{array}$</td><td>$\begin{array}{r} 875 \\ 11 \overline{) 9625} \end{array}$</td></tr></tbody></table>	$\begin{array}{r} 421 \\ 15 \overline{) 6315} \end{array}$	$\begin{array}{r} 745 \\ 11 \overline{) 8195} \end{array}$	$\begin{array}{r} 368 \\ 20 \overline{) 7360} \end{array}$	$\begin{array}{r} 635 \\ 15 \overline{) 9525} \end{array}$	$\begin{array}{r} 524 \\ 12 \overline{) 6288} \end{array}$	$\begin{array}{r} 875 \\ 11 \overline{) 9625} \end{array}$				
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smallest	←	→	largest								
368	421	524	635	745	875						
	Alice receives a jar of 2250 beads for her birthday. She wants to create necklaces to sell at the Valentine's Day school fayre. There will be 14 beads on each necklace. How many complete necklaces can she make?										
	160 complete necklaces.										



Short Division

I can divide numbers using the formal written method of short division.



Complete the calculations using the formal written method, short division. Some of the calculations may have remainders.

$$15 \overline{) 9367} \quad r$$

$$20 \overline{) 7156} \quad r$$

$$11 \overline{) 8640} \quad r$$

$$12 \overline{) 7075} \quad r$$

$$12 \overline{) 8231} \quad r$$

$$11 \overline{) 5231} \quad r$$

Order the answers to the calculations in order of smallest to largest.

smallest	←—————→					largest

Jessica is training for a swimming competition. She swims four evenings each week. She wants to swim 1240 lengths in the 5 weeks in the run up to the swimming gala. How many lengths per evening does she need to swim to reach her target?

_____ lengths per evening.

Use this space for jottings:





Short Division Answers

Question	Answer													
	Complete the calculations using the formal written method, short division. Some of the calculations may have remainders.													
	<table border="0" style="width: 100%; text-align: center;"><tr><td style="width: 33%;">$\begin{array}{r} 624 \text{ r}7 \\ 15 \overline{) 9367} \end{array}$</td><td style="width: 33%;">$\begin{array}{r} 357 \text{ r}16 \\ 20 \overline{) 7156} \end{array}$</td><td style="width: 33%;">$\begin{array}{r} 785 \text{ r}5 \\ 11 \overline{) 8640} \end{array}$</td></tr><tr><td>$\begin{array}{r} 589 \text{ r}7 \\ 12 \overline{) 7075} \end{array}$</td><td>$\begin{array}{r} 685 \text{ r}11 \\ 12 \overline{) 8231} \end{array}$</td><td>$\begin{array}{r} 475 \text{ r}6 \\ 11 \overline{) 5231} \end{array}$</td></tr></table>	$\begin{array}{r} 624 \text{ r}7 \\ 15 \overline{) 9367} \end{array}$	$\begin{array}{r} 357 \text{ r}16 \\ 20 \overline{) 7156} \end{array}$	$\begin{array}{r} 785 \text{ r}5 \\ 11 \overline{) 8640} \end{array}$	$\begin{array}{r} 589 \text{ r}7 \\ 12 \overline{) 7075} \end{array}$	$\begin{array}{r} 685 \text{ r}11 \\ 12 \overline{) 8231} \end{array}$	$\begin{array}{r} 475 \text{ r}6 \\ 11 \overline{) 5231} \end{array}$							
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smallest		←—————→				largest								
357 r16	475 r6	589 r7	624 r7	685 r11	785 r5									
	Jessica is training for a swimming competition. She swims four evenings each week. She wants to swim 1240 lengths in the 5 weeks in the run up to the swimming gala. How many lengths per evening does she need to swim to reach her target?													
	62 lengths per evening.													



Short Division

I can divide numbers using the formal written method of short division.



Complete the calculations using the formal written method, short division.
Write the answer to two decimal places.

$1765 \div 20 = \underline{\hspace{2cm}}$

$8765 \div 12 = \underline{\hspace{2cm}}$

$9865 \div 11 = \underline{\hspace{2cm}}$

$4682 \div 11 = \underline{\hspace{2cm}}$

$6573 \div 15 = \underline{\hspace{2cm}}$

$7965 \div 12 = \underline{\hspace{2cm}}$

Order the answers to the calculations in order of smallest to largest.

smallest	←—————→					largest



Short Division Answers

Question	Answer
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Complete the calculations using the formal written method, short division.
Write the answer to two decimal places.

$$1765 \div 20 = 88.25$$

				8	8	.	2	5	
2	0	1	7	6	5	.	0	0	

$$8765 \div 12 = 730.42$$

			7	3	0	.	4	2	
1	2	8	7	6	5	.	0	0	0

$$9865 \div 11 = 896.82$$

			8	9	6	.	8	2	
1	1	9	8	6	5	.	0	0	0

$$4682 \div 11 = 425.64$$

			4	2	5	.	6	4	
1	1	4	6	8	2	.	0	0	0

$$6573 \div 15 = 438.20$$

			4	3	8	.	2		
1	5	6	5	7	3	.	0		

$$7965 \div 12 = 663.75$$

			6	6	3	.	7	5	
1	2	7	9	6	5	.	0	0	

Order the answers to the calculations in order of smallest to largest.

smallest	←—————→					largest
88.25	438.20	425.64	663.75	730.42	896.82	



Plant Year 6

Addition, Subtraction, Multiplication and Division

To continue the learning in this area of maths with exclusive teacher-created planning packs, click [here](#)

This thumbnail shows two planning pack covers. The first is 'The Big Question' with a 'Number Combo' video player and a 'Number Combo' worksheet. The second is 'Order of Operations' with a video player and a worksheet. Both covers feature a blue background with mathematical symbols.

This thumbnail displays a set of 'Challenge Cards' for addition, subtraction, multiplication, and division. The cards are numbered 1 through 5 and feature various math problems and illustrations of a person at a computer.

This thumbnail shows a 'Starter Ideas' page for Year 6. It includes a 'Know Your Number' wheel and a grid of 20 numbered ideas for classroom activities. The page is titled 'Addition, Subtraction, Multiplication and Division Starter Ideas'.

This thumbnail features a 'Prime Numbers' section with a grid of numbers and a 'Subtracting Six-Digit Numbers Using Column Method' section with a grid of math problems. It also includes a 'Using Column Method' section and a 'Number Operations' table with 'add', 'subtract', 'multiply', and 'divide' buttons.

This thumbnail shows three planning pack covers: 'Long Vines', 'Jungle Division', and 'Slithering Snake'. Each cover includes a video player and a worksheet. The covers are blue and feature jungle-themed illustrations.

This thumbnail displays three 'Line Up' planning pack covers. Each cover includes a video player and a worksheet. The covers are blue and feature a grid for calculations and a cartoon character.

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