



Year 5 - Maths

Arithmetic Methods



Name	Completed Method	Video Explanation	Practice Questions																														
Addition	$4125 + 497 = 4622$ <table border="1"><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>TH</td><td>H</td><td>T</td><td>O</td></tr><tr><td></td><td>4</td><td>1</td><td>2</td><td>5</td></tr><tr><td>+</td><td></td><td>4</td><td>9</td><td>7</td></tr><tr><td></td><td><u>4</u></td><td><u>6</u></td><td><u>2</u></td><td><u>2</u></td></tr><tr><td></td><td></td><td>1</td><td>1</td><td></td></tr></table>							TH	H	T	O		4	1	2	5	+		4	9	7		<u>4</u>	<u>6</u>	<u>2</u>	<u>2</u>			1	1		 LINK	 LINK
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+		4	9	7																													
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Subtraction	$2051 - 1684 = 367$ <table border="1"><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>TH</td><td>H</td><td>T</td><td>O</td></tr><tr><td></td><td>2</td><td>0</td><td>5</td><td>1</td></tr><tr><td>-</td><td>1</td><td>6</td><td>8</td><td>4</td></tr><tr><td></td><td></td><td><u>3</u></td><td><u>6</u></td><td><u>7</u></td></tr></table>							TH	H	T	O		2	0	5	1	-	1	6	8	4			<u>3</u>	<u>6</u>	<u>7</u>	 LINK	 LINK					
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		<u>3</u>	<u>6</u>	<u>7</u>																													
Multiplication	$235 \times 7 = 1615$ <table border="1"><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>H</td><td>T</td><td>O</td><td></td></tr><tr><td></td><td>2</td><td>3</td><td>5</td><td></td></tr><tr><td>x</td><td></td><td></td><td>7</td><td></td></tr><tr><td></td><td><u>1</u></td><td><u>6</u></td><td><u>1</u></td><td><u>5</u></td></tr><tr><td></td><td></td><td>2</td><td>3</td><td></td></tr></table>							H	T	O			2	3	5		x			7			<u>1</u>	<u>6</u>	<u>1</u>	<u>5</u>			2	3		 LINK	 LINK
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Long Multiplication	$235 \times 17 =$ <table border="1"><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>3</td><td>5</td><td></td></tr><tr><td>x</td><td></td><td>1</td><td>7</td><td></td></tr><tr><td colspan="5"><hr/></td></tr><tr><td>1</td><td>6</td><td>4</td><td>5</td><td></td></tr><tr><td>2</td><td>²3</td><td>³5</td><td>0</td><td></td></tr><tr><td colspan="5"><hr/></td></tr><tr><td>3</td><td>9</td><td>9</td><td>5</td><td></td></tr><tr><td colspan="5"><hr/></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>							2	3	5		x		1	7		<hr/>					1	6	4	5		2	² 3	³ 5	0		<hr/>					3	9	9	5		<hr/>										 LINK	 LINK
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Short Division	$530 \div 5 =$ <table><tr><td></td><td>1</td><td>0</td><td>6</td><td></td></tr><tr><td colspan="5"><hr/></td></tr><tr><td>5</td><td>)</td><td>5</td><td>3³</td><td>0</td></tr></table>		1	0	6		<hr/>					5)	5	3 ³	0	 LINK	 LINK																																			
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Short Division (remainder)	$925 \div 4 =$ <table><tr><td></td><td>2</td><td>3</td><td>1</td><td></td></tr><tr><td colspan="5"><hr/></td></tr><tr><td>4</td><td>)</td><td>9¹</td><td>2</td><td>5 r1</td></tr></table>		2	3	1		<hr/>					4)	9 ¹	2	5 r1	 LINK	 LINK																																			
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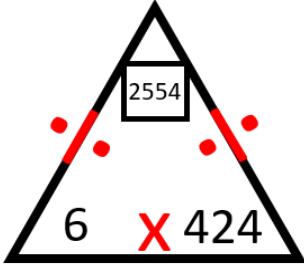




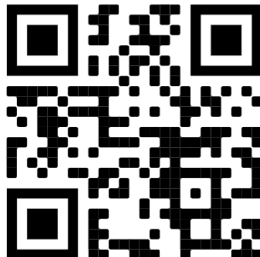

Name	Completed Method	Video Explanation	Practice Questions
Square Numbers	3^2 $3 \times 3 =$	 LINK	 LINK
Cube Numbers	4^3 $4 \times 4 \times 4$ $16 \times 4 =$	 LINK	 LINK
Missing Number Problems – Addition/ Subtraction	$\square - 415 = 312$ $\begin{array}{r} \square \\ \square \\ \square \\ \hline 415 + 312 \end{array}$	 LINK	 LINK



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Arithmetic Methods









Name	Completed Method	Video Explanation	Practice Questions
Missing Number Problems – Multiplication/Division	<p><input type="text"/> $\div 6 = 424$</p> 	 LINK	 LINK
Dividing by 10, 100, 1000	<p>HTO 36 $\div 100 =$ "How many hundreds are there?" 0.36</p>	 LINK	 LINK
Multiplying by 10, 100, 1000	<p>HTO 24 $\times 100 =$ "How many lots of 100?" TH H T O 2 4 0 0</p>	 LINK	 LINK



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Arithmetic Methods









Name	Completed Method	Video Explanation	Practice Questions
Finding Fractions of Amounts (unit)	Find $\frac{1}{3}$ of 27 = 9	 LINK	 LINK
Finding Fractions of Amounts (non-unit)	Find $\frac{3}{4}$ of 12 = 9	 LINK	 LINK
Adding 3 Numbers	$8 + 16 + 2 =$ $10 + 16 =$	 LINK	 LINK



Year 5 - Maths

Arithmetic Methods





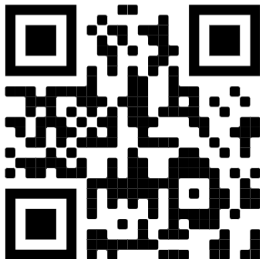



Name	Completed Method	Video Explanation	Practice Questions
Multiplying 3 Numbers	$5 \times 4 \times 6 =$ <p style="text-align: center;"></p> $20 \times 6 = 120$	 LINK	 LINK
Adding Fractions with the Same Denominator	$\frac{3}{7} + \frac{2}{7} = \frac{5}{7}$ <p style="text-align: center;"></p>	 LINK	 LINK
Adding Fractions with Different Denominators	$\frac{2}{4} + \frac{2}{8} =$ $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$ <p style="text-align: center;"></p>	 LINK	 LINK



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Arithmetic Methods





Name	Completed Method	Video Explanation	Practice Questions
Subtracting Fractions with the Same Denominator	$\frac{6}{7} - \frac{5}{7} = \frac{1}{7}$	 LINK	 LINK
Subtracting Fractions with Different Denominators	$\frac{5}{6} - \frac{2}{3} = \frac{5}{6} - \frac{4}{6} = \frac{1}{6}$	 LINK	 LINK
Rounding	Round 135 to the nearest ten = 140 $\begin{array}{c} \text{H} \quad \text{T} \quad \text{O} \\ 1 \quad 3 \quad 5 \end{array}$	 LINK	 LINK



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Arithmetic Methods



Name	Completed Method	Video Explanation	Practice Questions
Solving Calculations on Either Side	$27 \oplus 13 = \boxed{36} \oplus 4$ $40 =$	 LINK	 LINK