Page	e / Subject		Year 5 Maths @miss_teasel
2.	Ordering Whole Numbers	40.	Adding Fractions
3.	Ordering Whole Numbers Answers	41.	Adding Fractions Answers
4.	Comparing Whole Numbers	42.	Subtracting Fractions
5.	Comparing Whole Numbers Answers	43.	Subtracting Fractions Answers
6.	Negative Numbers	44.	Multiplying Fractions by Whole Numbers
7.	Negative Numbers Answers	45.	Multiplying Fractions by Whole Numbers Answers
8.	Rounding Whole Numbers	46.	Writing Decimals as Fractions
9.	Rounding Whole Numbers Answers	47.	Writing Decimals as Fractions Answers
10.	Roman Numerals	48.	Rounding Decimals
11.	Roman Numerals Answers	49.	Rounding Decimals Answers
12.	Adding Whole Numbers	50.	Ordering Decimals
13.	Adding Whole Numbers Answers	51.	Ordering Decimals Answers
14.	Subtracting Whole Numbers	52.	Comparing Decimals
15.	Subtracting Whole Numbers Answers	53.	Comparing Decimals Answers
16.	Multiples & Common Multiples	54.	Percentages as Fractions & Decimals
17.	Multiples & Common Multiples Answers	55.	Percentages as Fractions & Decimals Answers
18.	Factors & Common Factors	56.	Converting Metric Measure
19.	Factors & Common Factors Answers	57.	Converting Metric Measure Answers
20.	Short Multiplication	58.	Converting between Units of Time
21.	Short Multiplication Answers	59.	Converting between Units of Time Answers
22.	Long Multiplication	60.	Perimeter of Composite Shapes
23.	Long Multiplication Answers	61.	Perimeter of Composite Shapes Answers
24.	Short Division	62.	Area of Rectangles
25.	Short Division Answers	63.	Area of Rectangles Answers
26.	Square Numbers & Cube Numbers	64.	Area of Irregular Shapes
27.	Square Numbers & Cube Numbers Answers	65.	Area of Irregular Shapes Answers
28.	Multiply by 10, 100 or 1000	66.	Acute, Obtuse & Reflex Angles
29.	Multiply by 10, 100 or 1000 Answers	67.	Acute, Obtuse & Reflex Angles Answers
30.	Divide by 10, 100 or 1000	68.	Missing Angles
31.	Divide by 10, 100 or 1000 Answers	69.	Missing Angles Answers
32.	Equivalent Fractions	70.	Translations
33.	Equivalent Fractions Answers	71.	Translations Answers
34.	Compare & Order Fractions	72.	Reflection
35.	Compare & Order Fractions Answers	73.	Reflections Answers
36.	Converting Improper Fractions to Mixed Numbers		
37.	Converting Improper Fractions to Mixed Numbers Answers		
38.	Converting Mixed Numbers to Improper Fractions		
39.	Converting Mixed Numbers to Improper Fractions Answers		

			7	itest r	Ordering Who	ole Numbers			Year 5 Maths @miss_teasel
		ssendi	INE		CSC PAGE	Put the follo	wing numbe	ers in <b>ascend</b>	ing order
		Second		<u> </u>	- N	25,364	36,645	38,895	26,645
Step	1		sma	llest r	number				
					nn, with all the digits aligned correctly and ng them in ascending or descending order.				
	3	4	3	6		125,407	125,704	125,470	124,740
	3	3	6	4					
	3			-		70.075	70 705	70.057	70.759
		3	4	6		79,875	79,785	79,857	79,758
Step	2								
					the left, if they're the same value look at difference.	Put the follo	wing numbe	rs in <b>descen</b>	ding order
				_	400 is larger than 300 so 3436 is larger than 3364.	405,436	405,634	406,534	440,354
	3	4	3	6					
	3	3/	6	4	Ascending Order	F.C. 2000	F7.000	F0 800	F0.000
	,	3	4	6	346, 3364, 3436	56,890	57,908	59,809	58,098
	V								
	_	the sar hundre			Descending Order 3436, 3364, 346	879,123	879,312	879,213	879,321

# Ordering Whole Numbers Answers

# greatest number

### smallest number

6

### Step 1

Place all your numbers in a column, with all the digits aligned correctly and then check whether you're placing them in ascending or descending order.

3	4	3	6	
3	3	6	4	

# Step 2

we look at the hundreds.

Compare the digits starting from the left, if they're the same value look at the next column until you find a difference.

					400 is larger than 300 so 3436 is larger than 3364.
	3	4	3	6	3430 IS larger than 3304.
	3	3	6	4	Ascending Order
		3	4	6	346, 3364, 3436
Both d	igits are	the sar	ne so		Descending Order

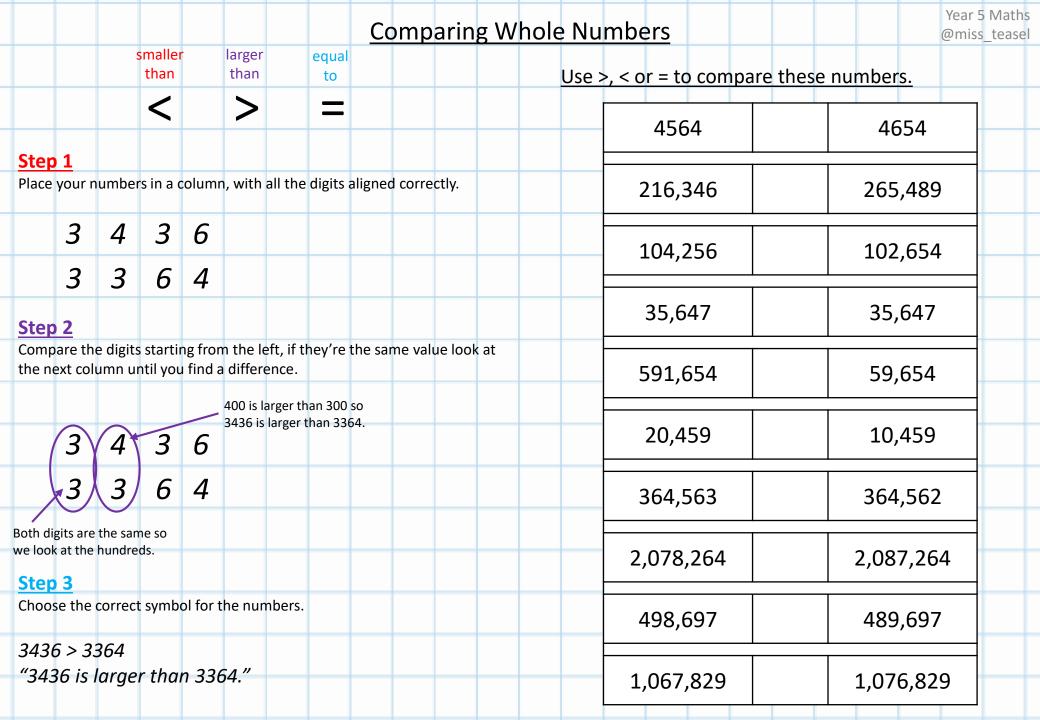
3436, 3364, 346

# Put the following numbers in ascending order

25,364	36,645	38,895	26,645				
25,364	26,645	36,645	38,895				
125,407	125,704	125,470	124,740				
124,740	125,407	125,470	125,704				
79,875	79,785	79,857	79,758				
79,758	79,785	79,857	79,875				

# Put the following numbers in descending order

405,436	405,634	406,534	440,354
440,354	406,534	405,634	405,436
56,890	57,908	59,809	58,098
59,809	58,098	57,908	56,890
879,123	879,312	879,213	879,321
879,321	879,312	879,213	879,123



# Step 1

<sup>-</sup>5

<sup>-</sup>3

<sup>-</sup>4

Negative numbers are numbers smaller than zero. Draw yourself a number line like the above if you need to, to help you.

1

2

<sup>-</sup>1

<sup>-</sup>2

# Step 2

Use your number line just like a normal one for answering questions. For 3 – 7, start at 3 and count back 7 spaces.

So 
$$3 - 7 = ^{-}4$$

# Step 3

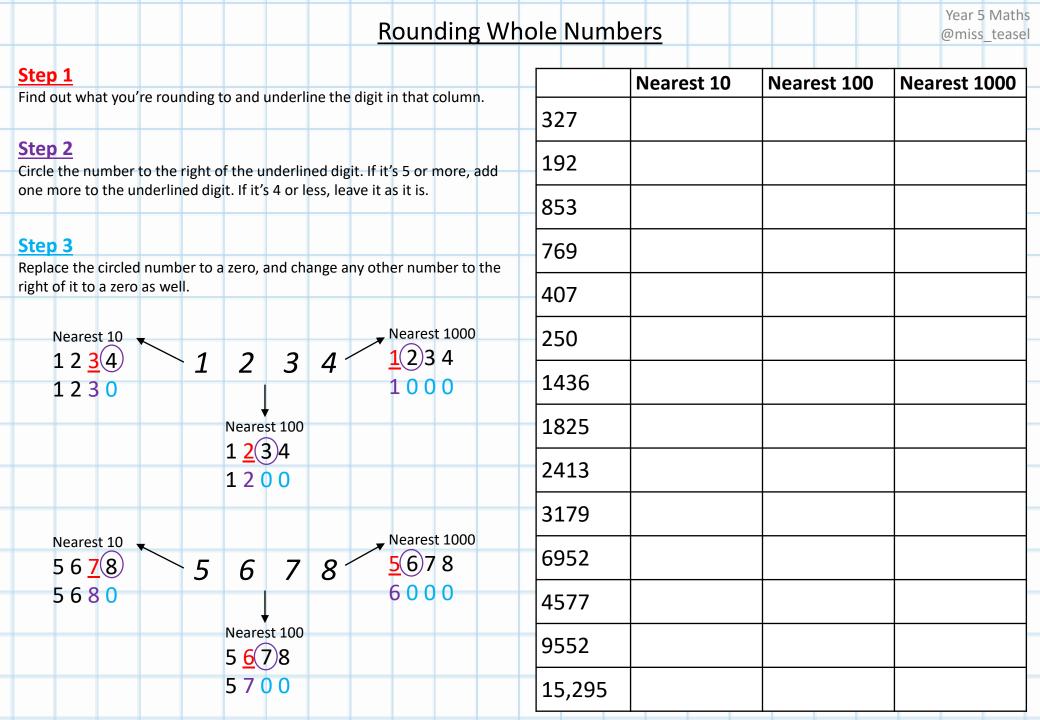
For  $^{-}3 + 5$ , you would start at  $^{-}3$  and count forwards 5 spaces.

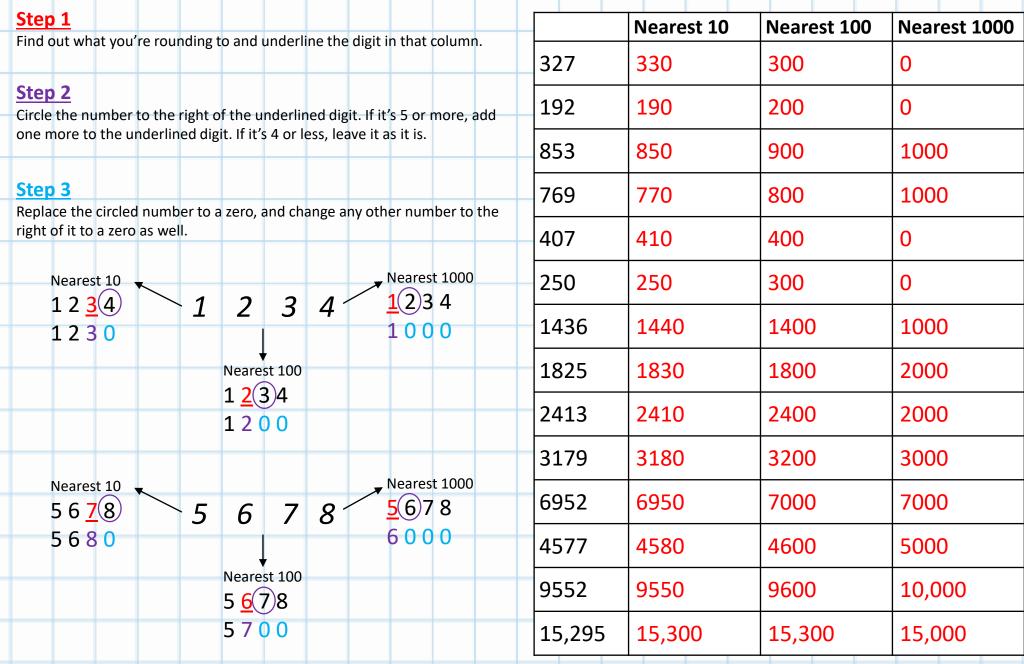
Calculation Answer

$$8-10=$$
 $-2$ 
 $-8+4=$ 
 $5-13=$ 
 $-8$ 
 $-1+16=$ 
 $32-48=$ 
 $-16$ 
 $-28+14=$ 
 $-14$ 
 $-3-13=$ 
 $-16$ 
 $-5+34=$ 
 $29$ 
 $15-37=$ 
 $-22$ 
 $-42+16=$ 
 $-26$ 
 $-4-25=$ 
 $-29$ 
 $-46+87=$ 
 $41$ 
 $37-58=$ 
 $-21$ 

<sup>-</sup>179

 $^{-}329 + 150 =$ 





							Roman	Numerals Year 5 Maths @miss_teasel
1		5	10	50	100	500	1000	Roman Numeral Number
ı		V	Х	L	С	D	М	DCCXV
Step	_							MMXLV
numb			by partition		ou need t	o create ead	ch digit of the	MXXII
So:								DXCVII
1	2	4	9 =	1000	) =	M		DCLXI
				200	) =	CC		LXXXIX
				40	·   =	XL		XXVI
				9	=	IX		MMMDCX
Step	2							
			les'. You car number 4 a					XLV
	ractio				.,			CCLXVIII
Step		1-2:- 11-						CDLX
			at if a smalle e smaller nu				umeral, we	MCDV
1	2	4	9 =	MCC	CXLIX			LXI
								MDXXVI

							Roman	ı Nu	<u>ımerals</u>	Year 5 Maths @miss_teasel
1		5	10	50	100	500	1000	Ш	Roman Numeral	Number
		V	Х	L	С	D	М		DCCXV	715
Step	_						1 11 - 11 - 6 1		MMXLV	2045
			have no pla y by partitic	ace value, so y oning.	ou need t	to create each	ch digit of ti		MXXII	1022
30.									DXCVII	597
1	2	4	9 =	1000	_	M			DCLXI	661
				200	_	CC			LXXXIX	89
				40		XL			XXVI	26
				9	9 =	IX			MMMDCX	3610
Step	_								XLV	45
				annot have m I and the num				S	ΛLV	45
"subt			iid	dia die		7 110010 1122			CCLXVIII	268
Step			at if a sma	War numoral	is in front	of a larger t	a maral w		CDLX	460
				aller numeral i numeral is aft			umeral, we	3	MCDV	1405
1	2	4	9 =	= MC(	CXLIX				LXI	61
									MDXXVI	1526
								L		

								ļ	Addi	ng V	Vho	le N	lum	bers	}								Maths _teasel
Step	1																						
Set out	t your a				olumn	metho	d, aligr	ning the	e digits	in the			5	3	4	1	8			2	5	6	3
correct	і ріасе	value	Column	15.								+	3	4	1	7	4		+	6	8	4	1
										_		Т.	<u> </u>	4		/	4		T	<u> </u>	0	4	
		3	4	3	6																		
	+		8	9	3																		
													2	7	5	6	3			8	9	1	2
Step	2											+		2	1	8	0		+	3	6	5	8
Startin colum	_						ırn. Car	ry digit	ts to the	e next													
		3	4	3	6								4	9	3	6	2			5	3	7	6
	+		8	9	3							+	5	8	0	5	9		+	2	1	5	4
		4	3	2	9																		
Step	3 _	1	<b>~</b> 1																				
Make s	sure an	ıy num	ber yo	u've ca	rried o	over, yo	u've in	cluded	in you	r next						6	5	4	2	3	7		
															+	1	3	8	2	5	6		
															_								

						Adding Whol	e Numl	ers	Ans	wer	<u>'S</u>							Maths _teasel
Step	1																	
Set out	t your a				olumn	method, aligning the digits in the		5	3	4	1	8			2	5	6	3
correct	place	value	columr	ıs.														
							+	3	4	1	7	4		+	6	8	4	1
		3	4	3	6			8	7	5	9	2			9	4	0	4
	+		8	9	3													
								2	7	5	6	3			8	9	1	2
Step	2						+		2	1	8	0		+	3	6	5	8
Startin columi						nn in turn. Carry digits to the next an 9.		2	9	7	4	3		1	2	5	7	0
		3	4	3	6			4	9	3	6	2			5	3	7	6
	+		8	9	3		+	5	8	0	5	9		+	2	1	5	4
		4	3	2	9		1	0	7	4	2	1			7	5	3	0
Step	3	1	<b>1</b>															
Make s		y num	ber yo	u've ca	rried o	over, you've included in your next				6	5	4	2	3	7			
									+	1	3	8	2	5	6			
										7	9	2	4	9	3			

					Subtracting	Whole	e Nu	mbe	er <u>s</u>								Maths teasel
Step 1																	
				al colu	mn method, aligning the digits in th	ie	2	6	3	6	4			2	5	2	3
correct plan	c value	Colum	113.			-	1	2	4	3	4		-	1	0	7	1
	8	5	1	3													
+		4	2	7													
							9	4	6	8	9			8	4	0	8
Step 2						_		2	5	1	9		-	4	1	1	6
	m the <b>r</b>	<b>ight,</b> su	btract	each c	column in turn.												
	8	45	<sup>10</sup> ⁄⁄	<b>1</b> 3	3 subtract 7 would give us a negative number, so we need to		3	9	8	5	9			7	4	9	9
+		4	2	7	regroup.  We exchange from the number before and carry 10 over. This	-	3	4	1	0	3		-	6	2	1	6
	8	0	8	6	means we now have 13 – 7 which will give us a positive answer.												
Step 3																	
					er from the top. When this can't being.					4	6	1	1	5	7		
									_	1	5	5	7	2	5		
																_	

						Subtract	ing Whole	e Nur	mbe	rs A	nsw	<u>ers</u>							Maths teasel
Step :	1																		
	your				al colun	nn method, aligning t	he digits in the		2	6	3	6	4			2	5	2	3
								-	1	2	4	3	4		-	1	0	7	1
		8	5	1	3				1	3	9	3	0			1	4	5	2
	+		4	2	7														
									9	4	6	8	9			8	4	0	8
Step	2							_		2	5	1	9		_	4	1	1	6
	_	the <b>ri</b>	<b>ght,</b> su	btract	each c	olumn in turn.			9	2	1	7	0			4	2	9	2
		8	45	10/	<b>1</b> 3	3 subtract 7 would negative number, regroup.	~		3	9	8	5	9			7	4	9	9
	+		4	2	7	We exchange from before and carry 1		-	3	4	1	0	3		-	6	2	1	6
		8	0	8	6	means we now ha which will give us answer.				5	7	5	6			1	2	8	3
Step 3	3					unswer.													
	vays su					rfrom the top. When g.	this can't be					4	6	1	1	5	7		
											-	1	5	5	7	2	5		
												3	0	5	4	3	2		

# multiples.

Step 1

For example:

Step 2

Step 3

Multiples of 2 =

15 and 30 appear in both lists of multiples and so they are both common multiples of 3 and 5.

3 and 11

33 36

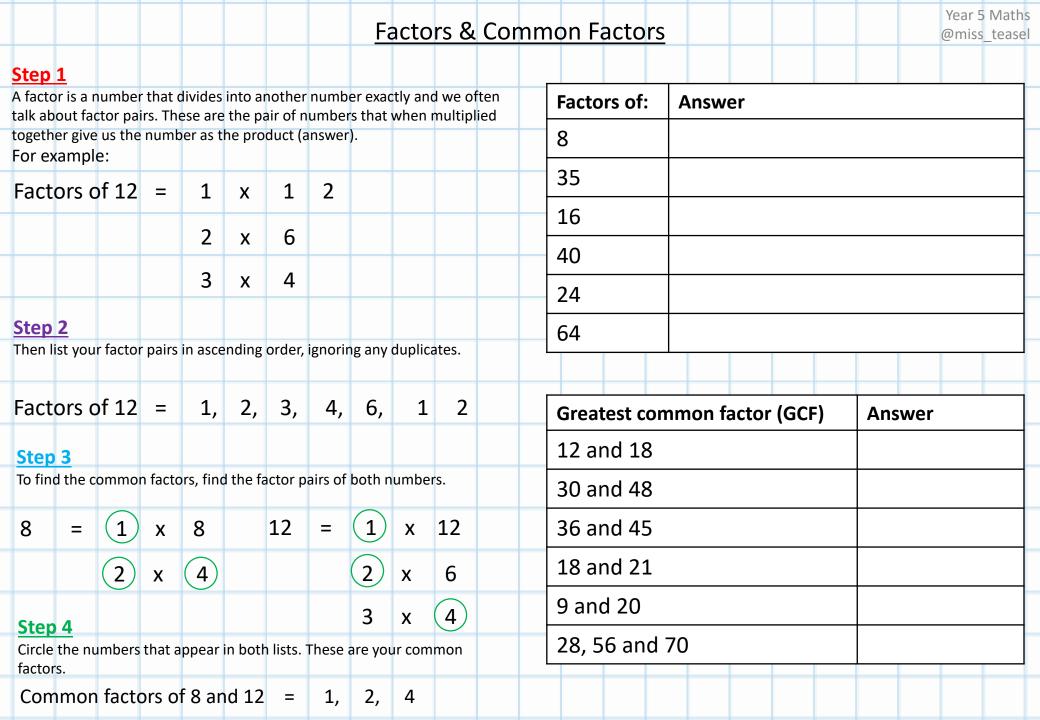
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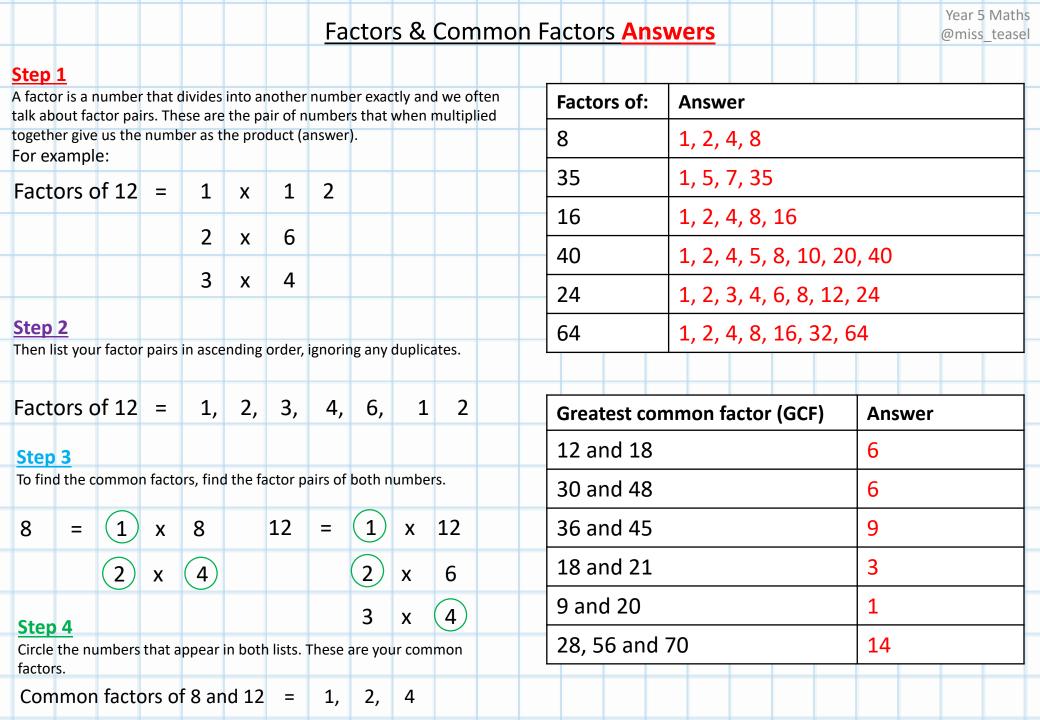
42

4, 5 and 6

9 and 4 6 and 7

60



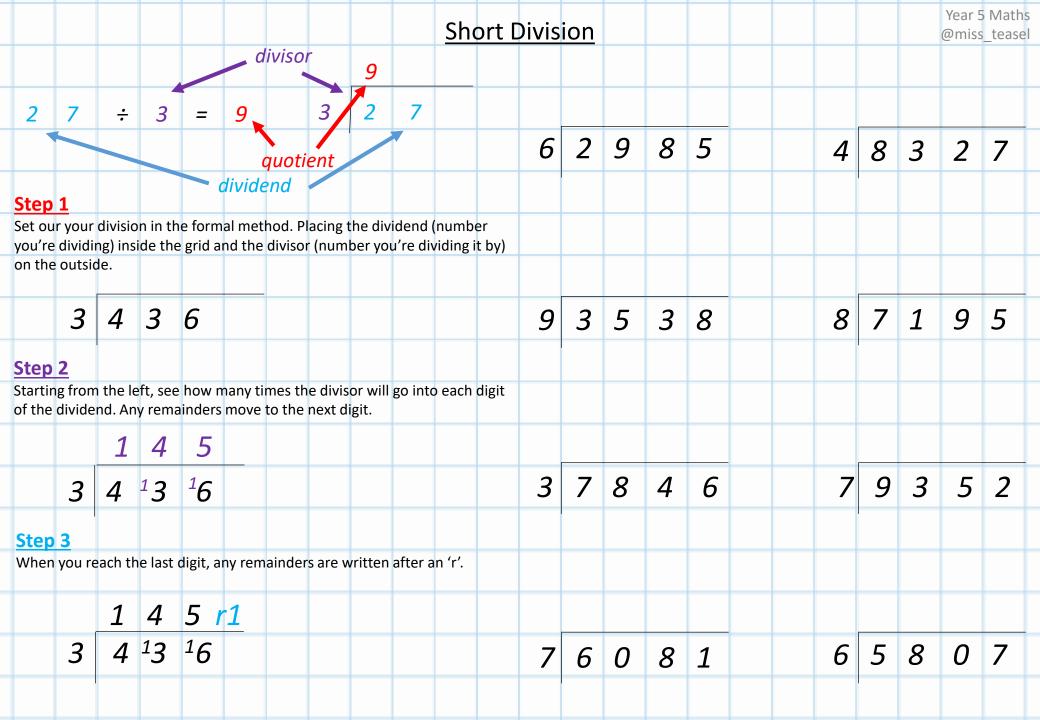


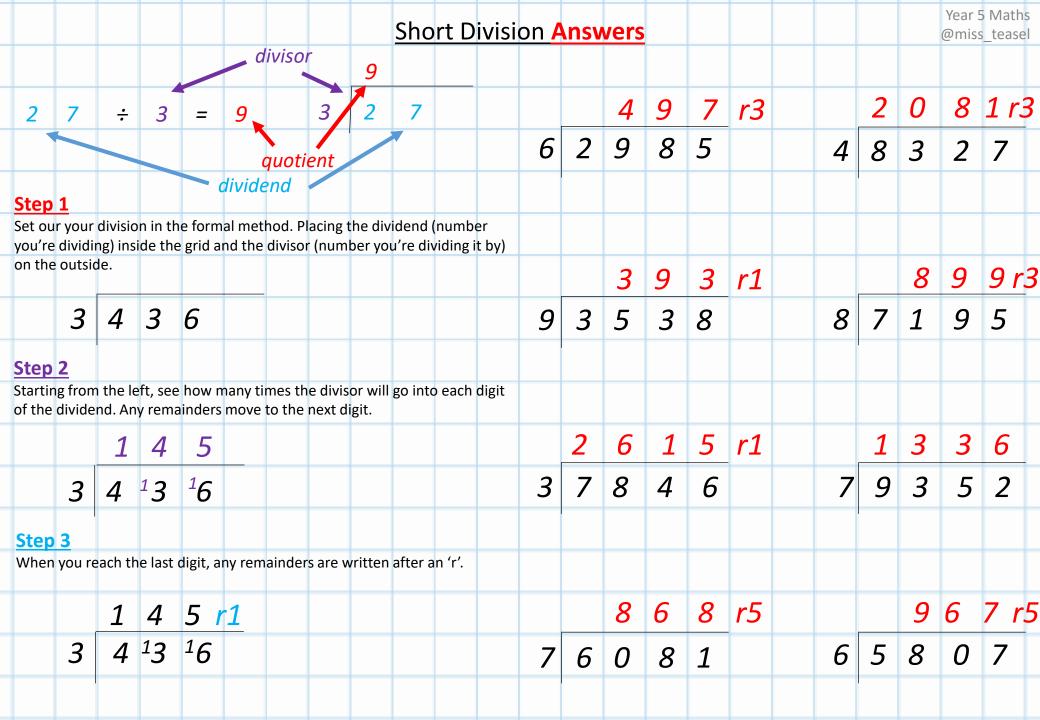
								<u>S</u>	hort	Mul	tipli	catio	<u>on</u>								Maths teasel
Step	<u>1</u>																				
				n in the y extra (			d. Multip d.	oly the to	op ones	digit		3	9	1	0			8	9	2	3
	2	1	7								X				9		X				5
X			9																		
			3																		
Step	2	6										4	5	2	9			9	5	0	7
Then m	nove o						this by tl any extr				X				5		X				8
	2	1	7																		
X			9																		
		5	3									1	6	5	5			8	8	4	6
Step	1 <b>3</b>	6									Χ				8		X				7
		ving ac	cross th	he top d	igits on	e step	at a time	e until yo	ou reacl	h the											
	2	1	7																		
X			9									3	6	3	1			6	7	2	0
1	9	5	3								Χ				5		X				6
1	1	6																			

					Short Multipli	catio	n <mark>A</mark> ı	nsw	<u>ers</u>							Maths _teasel
Step	<u>1</u>															
	-			in the formal method. Mul extra digits if needed.	tiply the top ones digit		3	9	1	0			8	9	2	3
	2	1	7			X				9		X				5
X			9			3	5	1	9	0		4	4	6	1	5
			3													
Step	2	6					4	5	2	9			9	5	0	7
Then n	nove o			ens digit and multiply this by arried over and carry any ex		X				5		X				8
	2	1	7			2	2	6	4	5		7	6	0	5	6
X			9													
		5	3				1	6	5	5			8	8	4	6
Step	1 <b>3</b>	6				X				8		X				7
		ving ac	ross th	ne top digits one step at a ti	me until you reach the	1	3	2	4	0		6	1	9	2	2
	2	1	7													
X			9				3	6	3	1			6	7	2	0
1	9	5	3			X				5		Χ				6
1	1	6				1	8	1	5	5		4	0	3	2	0

								!	Long	Multi	iplication	<u>on</u>								Maths teasel
Step	1																			
Set ou by the	r your i	nultipli	ier as if	f you w	were do	oing shor	rt mu <mark>l</mark> tip	tiply the t	ı. Carry a			3	4	2	5					
extra d	ligits ir	neeae	d and	ensure	to add	I them to	o the ne	ext numb	oer.		X			4	7		5	0	8	3
		2	1	7												X			9	6
	X		5	9																
	1	9	5	3	(217 x	(9)														
1	O	8,	, <b>5</b> °	0	(217)	x 50)														
1	2	8	0	3																
Step	<b>2</b>	1																		
	zero be				this is {	going to	make o	our tens n	multiplie	er into		6	5	0	2					
Step	3										X			8	9		9	4	6	7
Then r	nultipl					r tens mu normal.	ultiplier,	r, starting	g with yo	our						X			3	4
Step	4																			
Once y	ou hav	e wor	ked ou	t both	multip	lications	s, add th	he answe	ers toget	ther.										

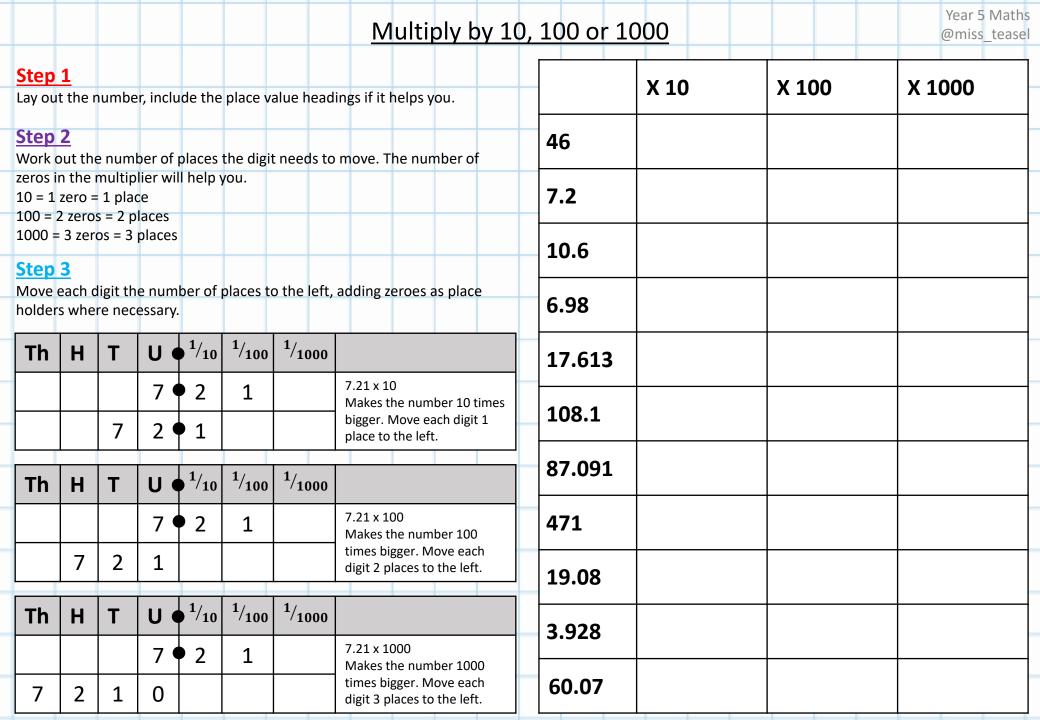
						Long	Multipl	<u>licatic</u>	n <mark>A</mark>	<u>nsw</u>	<u>ers</u>								5 Maths s_teasel
Step 1																			
by the one	s multipl	lier as if	if you w	were doin	ng short mu	Multiply the to ultiplication. (	Carry any	it		3	4	2	5						
extra digits	if neede	d and e	ensure	to add t	:hem to the	ie next numbe	er.		X			4	7			5	0	8	3
	2	1	7						2	3	9	7	5		X			9	6
X		5	9						1	3	7	0	0		3	0	4	9	8
1	9	5	3	(217 x 9	<del>)</del> )			1	6	0	9	7	5	4	5	7	4	7	0
1, 0	) 8	<sub>3</sub> 5	0	(217 x 5	50)									4	8	7	9	6	8
1 2	2 8	0	3																
Step 2	1 1																		
				this is gc	ing to mak	ke our tens m	ultiplier int	.0		6	5	0	2						
Step 3									X			8	9			9	4	6	7
						olier, starting v	with your		5	8	5	1	8		X			3	4
Step 4								5	2	0	1	6	0		3	7	8	6	8
	nave wor	ked ou	t both	multiplic	cations, ad	dd the answer	s together.	5	7	8	6	7	8	2	8	4	0	1	0
														3	2	1	8	7	8

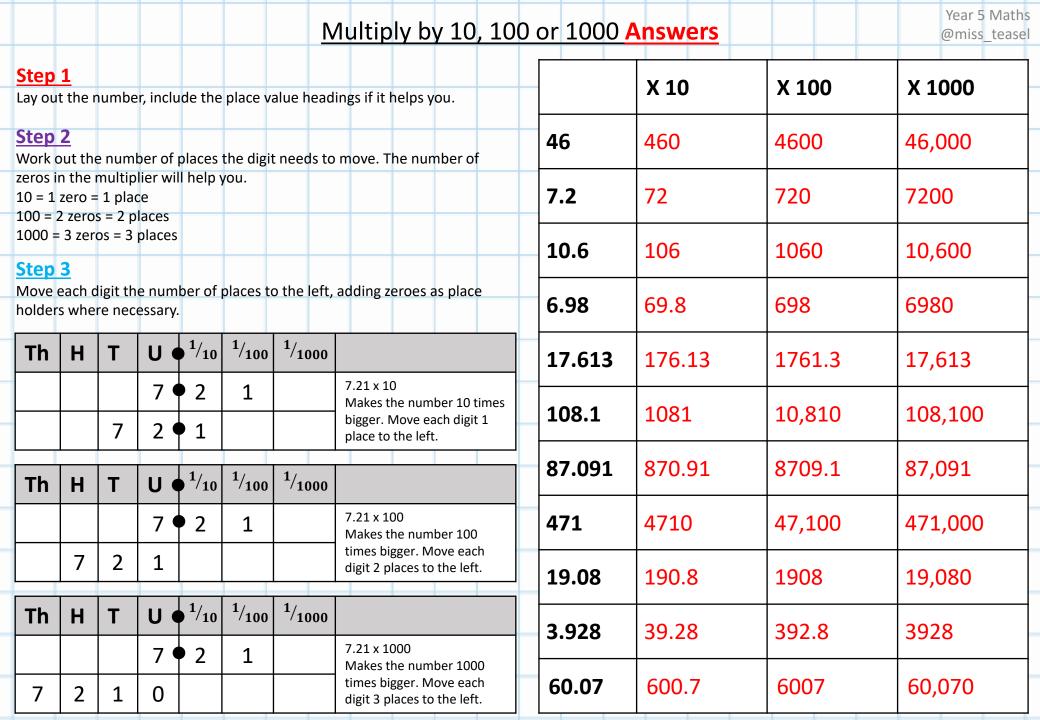


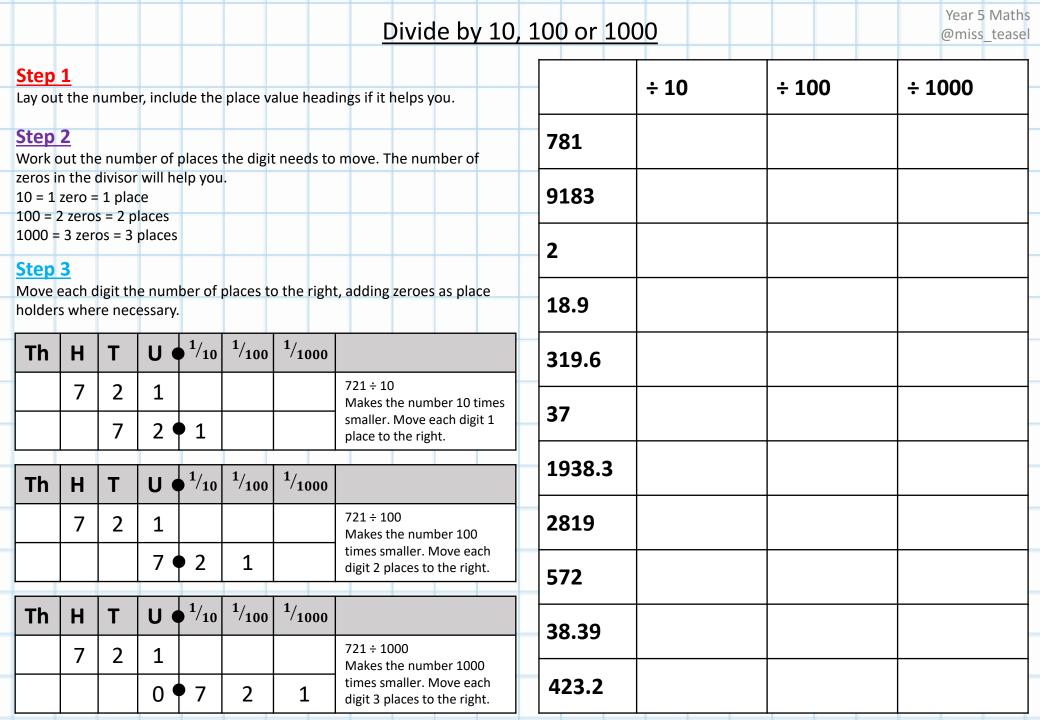


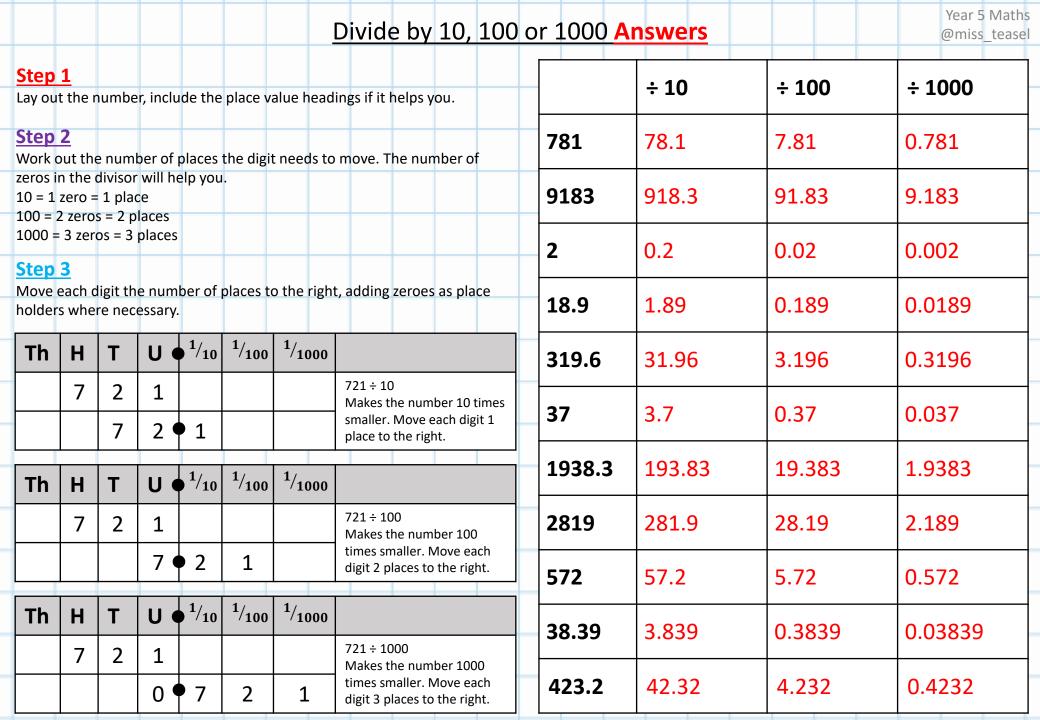
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miss_	_teasel

								-		
Step 1						Question	Answer		Question	Answer
A square number is a nun after the number.	nber mu	ultiplie	d by its	self. It i	s written as a small 2			-		
For example:						1 <sup>2</sup>	1		1 <sup>3</sup>	1
$2^2 = 2 \times$	2	=	4			2 <sup>2</sup>	4		2 <sup>3</sup>	8
2 x						3 <sup>2</sup>	9		3 <sup>3</sup>	27
2						4 <sup>2</sup>	16		4 <sup>3</sup>	64
						5 <sup>2</sup>	25		5 <sup>3</sup>	125
itep 2						6²	36		6 <sup>3</sup>	216
vritten as a small 3 after			by itse	lf, and	then by itself again. It is	7 <sup>2</sup>	49		7 <sup>3</sup>	343
or example:						8 <sup>2</sup>	64		8 <sup>3</sup>	512
$2^3 = 2 x$	2	Х	2	=	8	9 <sup>2</sup>	81		9 <sup>3</sup>	729
2 2 2						10 <sup>2</sup>	100		10 <sup>3</sup>	1000
×						11 <sup>2</sup>	121		11 <sup>3</sup>	1331
						12 <sup>2</sup>	144		12 <sup>3</sup>	1728









1/

3/

<sup>/</sup>50

6/

/36

 $^{/}21$ 

/30

860/

 $^{3}/_{9}$ 

6/8

<sup>2</sup>/<sub>14</sub>

<sup>30</sup>/<sub>50</sub>

86/100

# Step 1

Equivalent fractions are fractions worth the same amount, but are written in different terms.

For example:

To find an equivalent fraction, you find a pattern between either the numerators or denominators that have been given.

$$\frac{1}{3} = \frac{18}{20} = \frac{9}{4}$$

Step 3 Whatever the pattern is for the denominator/numerator, is the same for the missing part.

"Whatever we do to the top, we do to the bottom" and vice versa.

$$1/_{2} = \frac{7}{21}$$
 $18/_{20} = \frac{9}{10}$ 

Original

 $^{12}/_{20}$ 

<sup>4</sup>/<sub>16</sub>

<sup>6</sup>/<sub>10</sub>

 $^{3}/_{4}$ 

 $\overline{16}_{/\underline{30}}$ 

 $^{3}/_{9}$ 

6/8

 $^{2}/_{\underline{14}}$ 

 $^{30}/_{50}$ 

 $86/_{100}$ 

**Equivalent** 

<sup>6</sup>/<sub>10</sub>

8/<sub>32</sub>

<sup>9</sup>/<sub>15</sub>

# Step 1

Equivalent fractions are fractions worth the same amount, but are written in different terms.

For example:

 $\frac{1}{3}$  $^{2}/_{6}$ 

Step 2

To find an equivalent fraction, you find a pattern between either the numerators or denominators that have been given.

Step 3

X 7

Whatever the pattern is for the denominator/numerator, is the same for the missing part.

"Whatever we do to the top, we do to the bottom" and vice versa.

<sup>4</sup>/<sub>12</sub>

 $\frac{15}{20}$ 

**Equivalent** 

4/<sub>10</sub>

<sup>4</sup>/<sub>20</sub>

8/<sub>15</sub>

 $\frac{25}{50}$ 

13/<sub>26</sub> 11/<sub>55</sub>  $\overline{160}_{300}$ 6/<sub>18</sub>

 $\frac{27}{36}$  $\frac{3}{21}$ 

 $\frac{18}{30}$ 860/1000 43/<sub>50</sub>

# **Compare & Order Fractions**

# Step 1

Convert all fractions into equivalent fractions, this will make it the easiest to compare and/or order them.

 $\frac{5}{6}$ 4/9

# Step 2 - Ordering

Once converted into equivalent fractions, look at the numerators (top number) which will tell you the order to put them in. Convert them back to their original fractions.

# **Smallest to Largest**

 $\frac{6}{18}$ ,  $\frac{8}{18}$ ,  $\frac{15}{18}$ 

In the original fractions:

 $\frac{1}{3}$ ,  $\frac{4}{9}$ ,  $\frac{5}{6}$ 

greatest fraction

smallest fraction

### **Largest to Smallest**

 $^{15}/_{18}$ ,  $^{8}/_{18}$ ,  $^{6}/_{18}$ 

 $\frac{5}{6}$ ,  $\frac{4}{9}$ ,  $\frac{1}{3}$ In the original fractions:

# Step 3 - Comparing

To compare, again, look at the numerators (top number) to tell you which symbol to use. Remember to write them in their original fraction.

 $^{4}/_{9}$ 

<sup>6</sup>/<sub>18</sub> 8/18 In the original fractions:

 $^{15}/_{18}$  >  $^{6}/_{18}$  $\frac{1}{3}$ In the original fractions:

# Put the following fractions in ascending order

8/10	$^{12}/_{20}$	$^{2}/_{5}$
2/3	7/12	3/_
/3	/12	/4

# Put the following fractions in descending order

 $^{3}/_{6}$ 5/9  $^{2}/_{3}$ 

 $^{3}/_{10}$  $^{2}/_{5}$  $\frac{1}{2}$ 

# Use >, < or = to compare these fractions.

<sup>8</sup>/<sub>10</sub>

 $^{2}/_{5}$  $^{1}/_{2}$  $\frac{5}{7}$  $^{2}/_{3}$ 

 $^{4}/_{5}$ 

# **Compare & Order Fractions Answers**

### Step 1

Convert all fractions into equivalent fractions, this will make it the easiest to compare and/or order them.

$$\frac{1}{3}$$
  $\frac{5}{6}$   $\frac{4}{9}$   $\frac{1}{4}$   $\frac{1}{4}$   $\frac{5}{6}$   $\frac{4}{9}$   $\frac{1}{4}$   $\frac{5}{6}$   $\frac{1}{4}$   $\frac{5}{6}$   $\frac{5}{6}$   $\frac{4}{9}$   $\frac{5}{6}$   $\frac{5}{6}$   $\frac{5}{6}$   $\frac{4}{9}$   $\frac{5}{6}$   $\frac{5}{6}$   $\frac{4}{9}$   $\frac{5}{6}$   $\frac{5}$ 

# Step 2 - Ordering

Once converted into equivalent fractions, look at the numerators (top number) which will tell you the order to put them in. Convert them back to their original fractions.

**Smallest to Largest**  $\frac{6}{18}$ ,  $\frac{8}{18}$ ,  $\frac{15}{18}$ 

In the original fractions:

 $\frac{4}{9}$ ,  $\frac{5}{6}$  $\frac{1}{3}$ ,

greatest fraction

smallest fraction

# **Largest to Smallest**

 $^{15}/_{18}$ ,  $^{8}/_{18}$ ,  $^{6}/_{18}$ 

In the original fractions:

 $\frac{5}{6}$ ,  $\frac{4}{9}$ ,

# Step 3 - Comparing

To compare, again, look at the numerators (top number) to tell you which symbol to use. Remember to write them in their original fraction.

symbol to use. Remember to write them in their original fraction.

$$6/_{18}$$
 <  $8/_{18}$  In the original fractions:  $1/_3$  <  $4/_9$ 

$$^{15}/_{18}$$
 >  $^{6}/_{18}$  In the original fractions:  $^{5}/_{6}$  >  $^{1}/_{3}$ 

# Put the following fractions in ascending order

8/10	<sup>12</sup> / <sub>20</sub>	<sup>2</sup> / <sub>5</sub>
2/5	<sup>12</sup> / <sub>20</sub>	8/10
2/3	7/12	3/4
7/12	2/3	3/4

# Put the following fractions in descending order

3/6	<sup>5</sup> / <sub>9</sub>	<sup>2</sup> / <sub>3</sub>				
2/3	5/9	<sup>3</sup> / <sub>6</sub>				
2/5	1/2	3/10				
1/2	<sup>2</sup> / <sub>5</sub>	3/10				

# Use >, < or = to compare these fractions.

<sup>2</sup> / <sub>5</sub>	<	1/2
5/7	>	2/3
8/10	=	4/5

ite	р

An improper fraction is a fraction where the numerator (top number) is bigger than the denominator (bottom number).

# Step 2

11/4

The denominator tells us how many pieces make 1 whole. If we divide the numerator by the denominator we will know how many wholes we have.

# Step 3

11

4

So r3 becomes

The remainder is our fraction part of our mixed number.

 $\frac{3}{4}$ 

Step 4

Our final answer is our whole number and fraction together.

 $\frac{11}{4} = 2 \frac{3}{4}$ 

We can make 2

wholes.

 $10/_{3}$  $^{23}/_{6}$ 

 $^{34}/_{8}$ 

**Improper Fraction** 

8/5

 $^{11}\!/_{10}$ 

 $30/_{9}$ 

 $^{7}/_{2}$ 

 $^{31}/_{4}$ 

 $^{69}/_{7}$ 

 $^{18}/_{5}$ 

 $^{19}/_{6}$ 

<sup>52</sup>/<sub>11</sub>

**Mixed Number** 

<u>converting improper Fraction</u>	15 TO MILKEU MUITE	<u>@miss_teas</u>
Step 1 An improper fraction is a fraction where the numerator (top number) is	Improper Fraction	Mixed Number
bigger than the denominator (bottom number).	11/4	2 3/4
11/4	8/5	1 3/5
	10/3	3 1/3
Step 2	23/6	3 5/6
The denominator tells us how many pieces make 1 whole. If we divide the numerator by the denominator we will know how many wholes we have.	34/8	4 2/8
We can make 2	<sup>11</sup> / <sub>10</sub>	1 1/10
11 ÷ 4 = 2 r3 wholes.	30/9	3 3/9
Step 3 The remainder is our fraction part of our mixed number.	7/2	3 1/2
	31/4	7 3/4
So r3 becomes $\frac{3}{4}$	69/7	9 6/7
Step 4 Our final answer is our whole number and fraction together.	18/5	3 3/5
$^{11}/_{4} = 2 ^{3}/_{4}$	19/6	3 1/6
, , ,	52/11	4 8/11

 $4^{3}/_{9}$ 

Step 1

Step 2

Step 3

8

Step 4

 $^{11}/_{4}$ 

numerator.

X

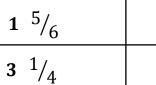
3

Converting Mixed Nu	mbers t	<u>o I</u>	mpro	per l	Frac	tion	s <mark>An</mark>	swe	<u>rs</u>	
		Ι_								
Step 1			Mixed Number Improper Fract		actio	n				
A mixed number is a combination of whole numbers and fracti	ons.		iviixeu i	uiiibi	EI		шрго	реі гі	actio	•••

A mixed ու	ımber is a co	ombination	of whole nui	mbers and frac	ctions.
2 3/4					

8

11



Year 5 Maths @miss teasel

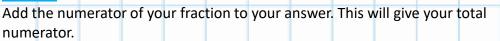
Step 2	
Multiply the denominator (bottom number) by the whole number. This will	Г
tell you how many (numerator) for the whole number.	
	-

$$\frac{1^{3}/_{7}}{2^{2}/_{4}}$$

**5**  $\frac{1}{3}$ 

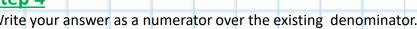
$$\frac{10}{4}$$
  $\frac{16}{3}$ 

 $10/_{7}$ 



$$\frac{3^{2}/_{5}}{2^{4}/_{5}}$$

4  $^{3}/_{4}$ 





$$\frac{10}{3}$$

19/4

4 x

8

+

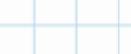
2

=



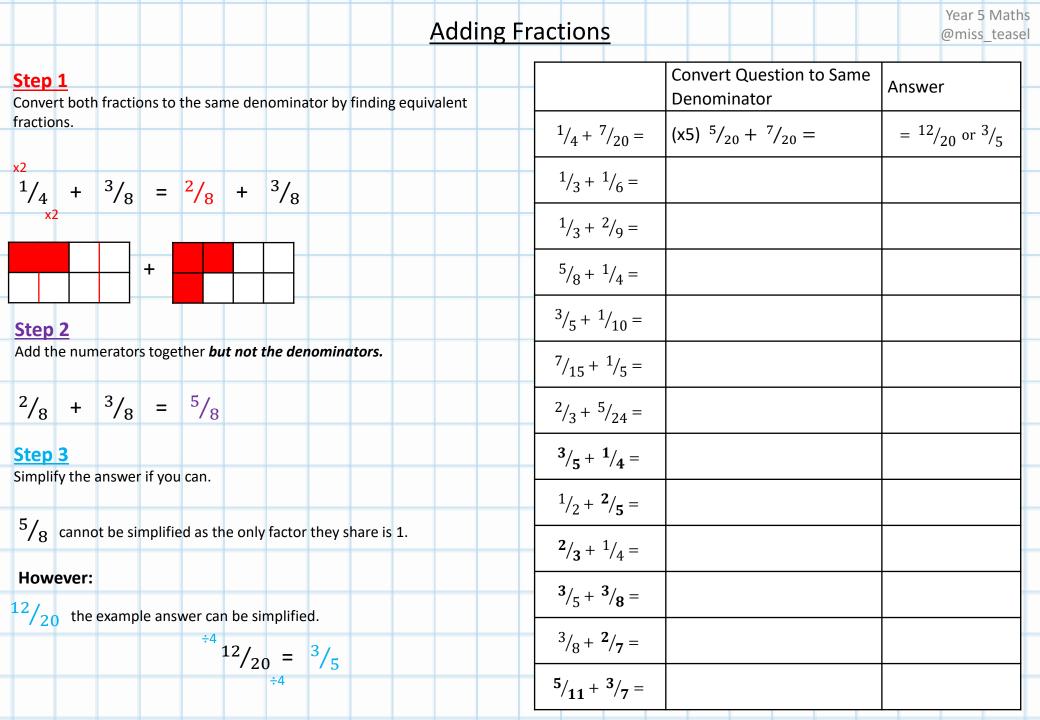


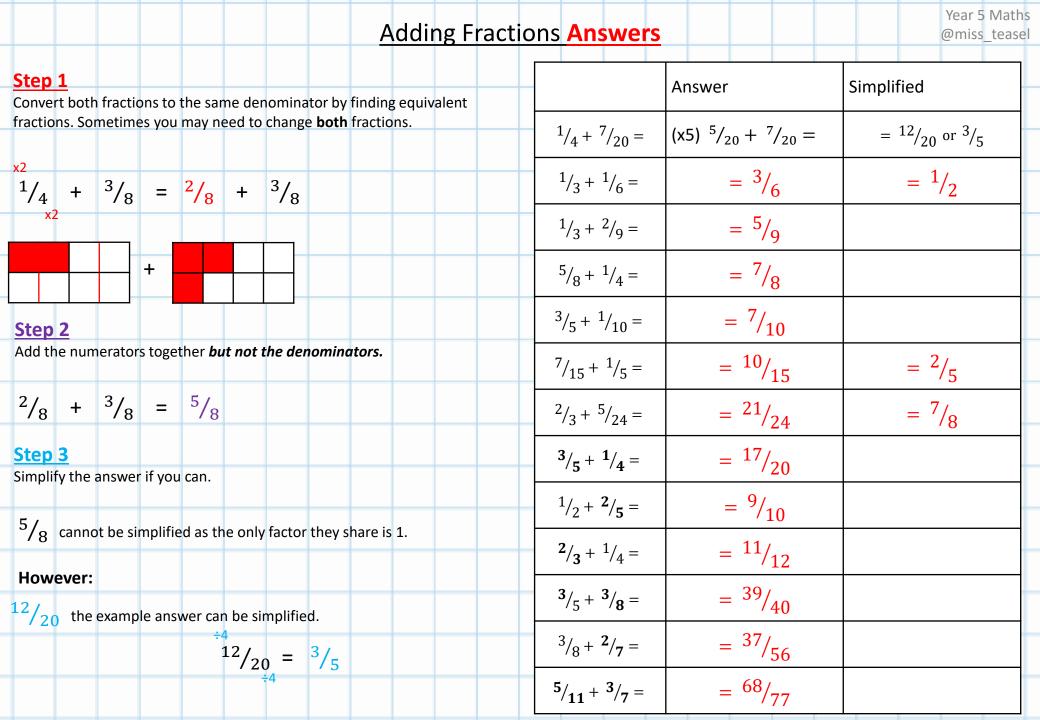


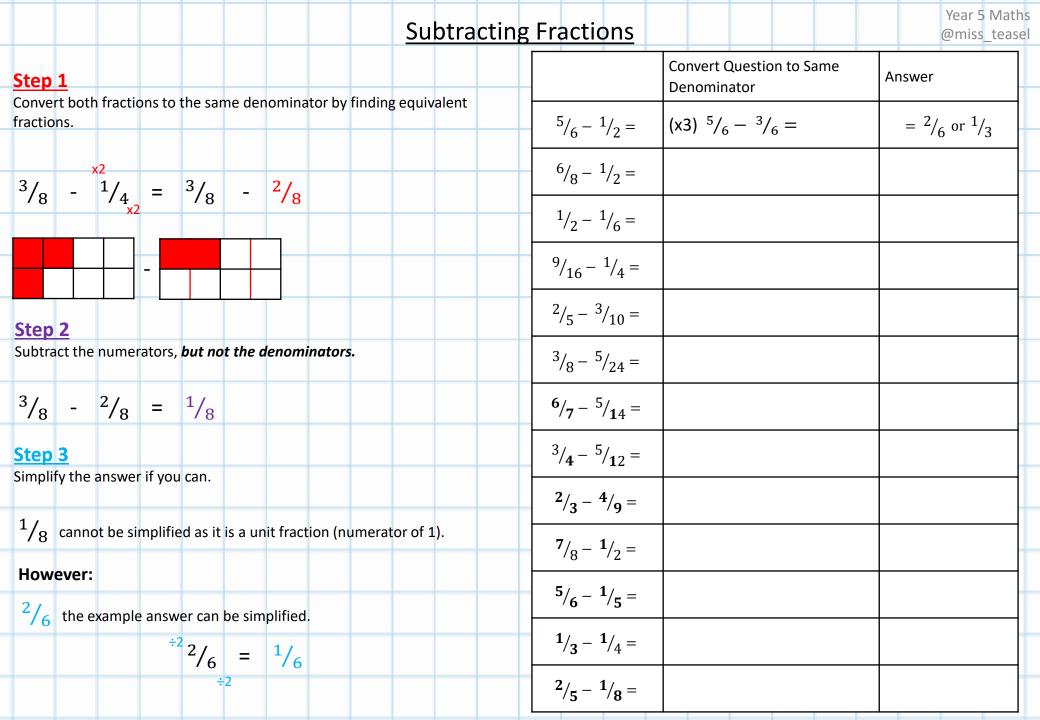


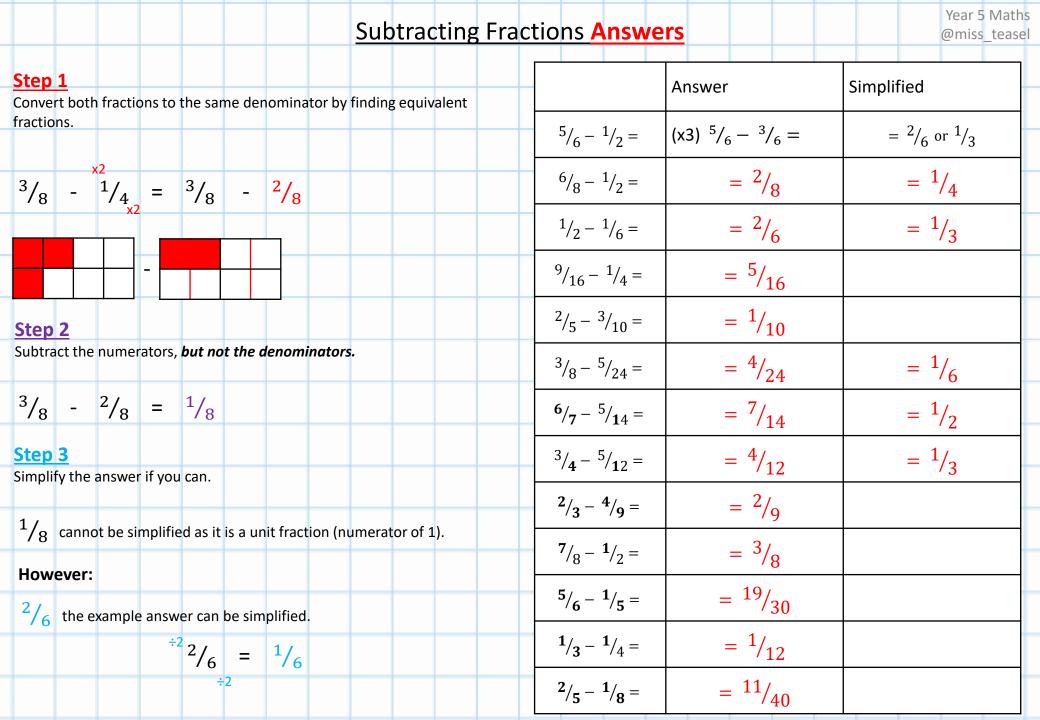












Step 1 Multiplying means doing the same thing a certain amount of times. If I have		Answer as an Improper Fraction	Answer as a Mixed Number	
$^{3}/_{4}$ and multiply it by 3, that means I need $^{3}/_{4}$ , 3 times.	$^{3}/_{4} \times ^{3}$	9/4	2 1/4	
$^{3}/_{4}$ x 3 = $^{9}/_{4}$	$^{1}/_{7} \times ^{5}$			
	$^{2}/_{5} \times 6$			
	$^{2}/_{10} \times ^{9}$			
Step 2 Multiply the numerator by the whole number.	$\frac{5}{7}$ x 3			
3 x 3 = 9 so 9 is our answers numerator.	$\frac{5}{8} \times 2$			
$^{3}/_{4}$ x 3 = $^{9}/_{4}$	$\frac{7}{12} \times 8$			
Step 3 Convert into a mixed number where necessary by using your denominator	$^{4}/_{5} \times ^{4}$			
to help you work out how many wholes you have.	$^{9}/_{11} \times ^{7}$			
9/4	<sup>6</sup> / <sub>7</sub> x 12			
9 (numerator) ÷ 4 (denominator) = 2 r 1	$^{1}/_{2} \times 5$			
so our answer is 2 $^1\!/_4$	$^{3}/_{8}$ x 7			
	8/ <sub>9</sub> x 4			

Answer as a Mixed

 $2^{1}/_{4}$ 

 $2^{2}/_{5}$ 

 $1^{8}/_{10}$  or  $1^{4}/_{5}$ 

 $2^{1}/_{7}$ 

 $1^{2}/_{8}$  or  $1^{1}/_{4}$ 

 $4^{8}/_{12}$  or  $4^{2}/_{3}$ 

 $3^{-1}/_{5}$ 

5 8/11

 $10^{-2}/_{7}$ 

 $2^{1}/2$ 

 $2^{5}/8$ 

 $3^{5}/_{9}$ 

Number

Step 1		Answer as an
Multiplying means doing the same thing a certain amount of times. If I have		Improper Fraction
$^{3}/_{4}$ and multiply it by 3, that means I need $^{3}/_{4}$ , 3 times.	2,, .	0,
	$\frac{3}{4} \times 3$	9/4

seans I need 
$$\frac{3}{4}$$
, 3 times.

$$\frac{3}{4} \times 3 = \frac{9}{4}$$

means I need 
$$^3/_4$$
, 3 times.

eans I need 
$$\frac{3}{4}$$
, 3 times.

$$^{3}/_{4} \times ^{3}$$

 $\frac{1}{7}$  x 5

 $^{12}/_{5}$ 

 $^{18}/_{10}$ 

 $\frac{56}{12}$ 

 $^{16}/_{5}$ 

 $63/_{11}$ 

 $\frac{72}{7}$ 

 $\frac{5}{2}$ 

 $^{21}/_{8}$ 

 $\frac{32}{9}$ 

$$\frac{2}{5}$$
 x 6



Χ





$$\frac{2}{10} \times 9$$

 $\frac{5}{7}$  x 3

 $\frac{5}{8}$  x 2

 $^{7}/_{12} \times 8$ 

 $^{4}/_{5}$  x 4

 $^{9}/_{11} \times ^{7}$ 

 $6/_{7} \times 12$ 

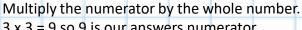
 $^{1}/_{2} \times 5$ 

 $\frac{3}{8} \times 7$ 

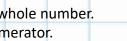
 $\frac{8}{9} \times 4$ 







 $3 \times 3 = 9$  so 9 is our answers numerator.





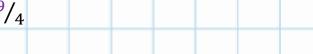
 $^{9}/_{4}$ 



...so our answer is  $2^{1}/_{4}$ 

9 (numerator)  $\div$  4 (denominator) = 2 r 1





Step 3

Year 5	Maths
@miss_	_teasel

+	_		_	+	VVIICIII	g Decimais a	is Fractions A	iisweis
1	Tens	Units		Tenths	Hundredths	Thousandths	Decimal	Fraction
L	lens	Offics	•		nunureatiis		0.2	2/10
		4	·	3	6	8	1.36	136/10
	<u>tep 1</u>						41.3	413/10
d€	enominato	r.	at the la	ast decima	l digit is in, this v	will give you your	6.08	608/10
Н	nths = /	-					5.634	5634/1
"	iousariutii	3 - /1000					9.42	942/10
	tep 2						10.109	10109/
						umerator, ignoring nproper fraction.	3.065	3065/1
ļ			_	4368/	1000		4.8	48/10
	tep 3						18.65	1865/1
nι						al numbers as the written as a whole	7.3	73/10
			+	4 368/	1000		4.006	4006/
							0.34	34/100
			+				8.06	806/10
							0.00	/ 10

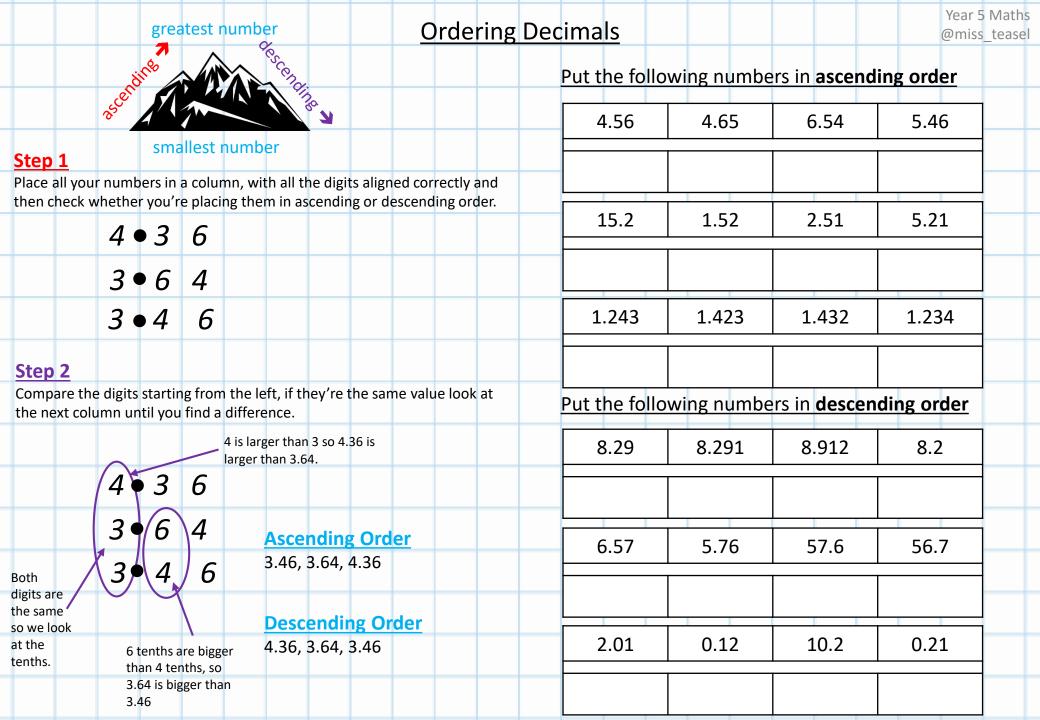
Decimal	Fraction
0.2	$^{2}/_{10}$
1.36	$^{136}/_{100}$ or $1^{36}/_{100}$
41.3	$\frac{413}{10}$ or $41^{3}/_{10}$
6.08	$608/_{100}$ or $68/_{100}$
5.634	$5634/_{1000}$ or $5^{634}/_{1000}$
9.42	$942/_{100}$ or $942/_{100}$
10.109	$^{10109}/_{1000}$ or $10^{109}/_{1000}$
3.065	$^{3065}/_{1000}$ or $3^{65}/_{1000}$
4.8	$^{48}/_{10}$ or $^{48}/_{10}$
18.65	$^{1865}/_{100}$ or $18^{65}/_{100}$
7.3	$^{73}/_{10}$ or $7^{3}/_{10}$
4.006	$^{4006}/_{1000}$ or $^{46}/_{1000}$
0.34	34/100
8.06	$806/_{100}$ or $86/_{100}$

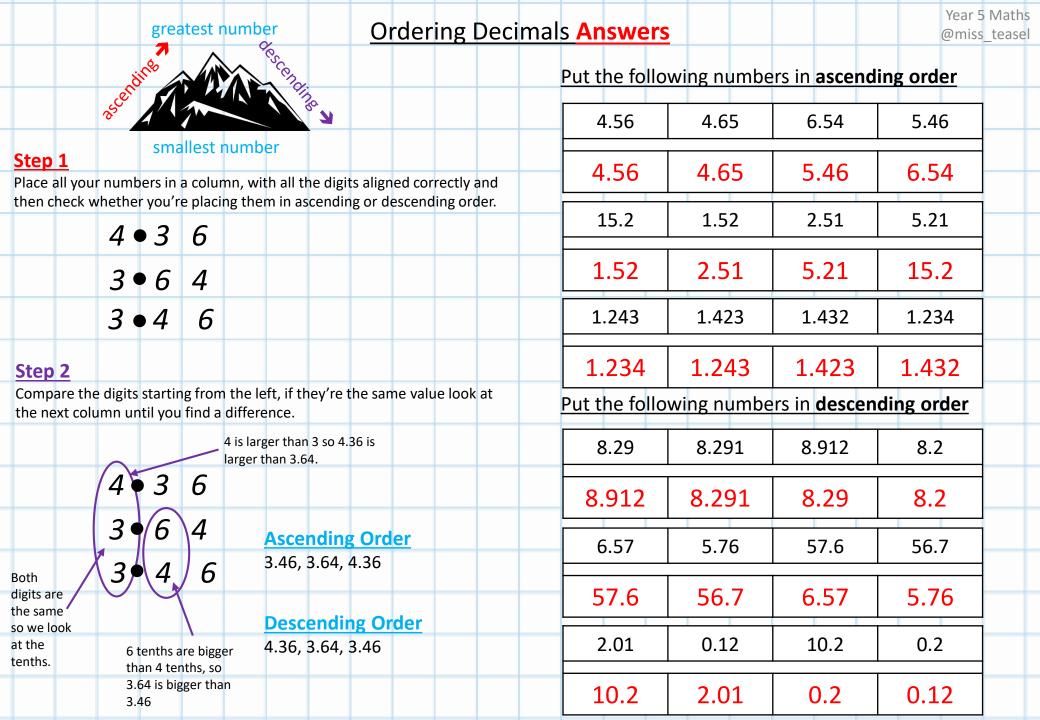
	Rounding Decimals to the Nearest Whole Number Year 5 Maths @miss_teasel								
	Tens	Units		Tenths	Hundredths	Thousandths	Number	Rounded to the Nearest Whole Number	
		Units	' '	Tenuis	Пинитечны	Illousanums	2.7		
	1	4		2	0	8	6.28		
	ep 1	unding to	the nea	rest whole	numher we ne	ed to underline the	9.831		
		nn and circle			Humber, we nee	su to underline the	14.3		
	ep 2 he tenths	s (circled r	iumber)	) is 5 or mc	ore, add one mo	re to the underlined	67.57		
		4 or less, le					80.04		
	<mark>ep 3</mark> · your ans	swer, just '	write th	ie units – y	ou don't need a	anything after the	35.921		
	cimal poir						421.6		
<u>5</u>		3 4	4 =	= 5			142.12		
<u> </u>			Less	s than 5 so we			371.823		
	leave the units as they are.						4.289		
<u>5</u>		6) 7	7 8	3 =	6		99.72		
T			More	re than 5 so v			802.008		
				1 to the unit king 6.	.S		129.7		

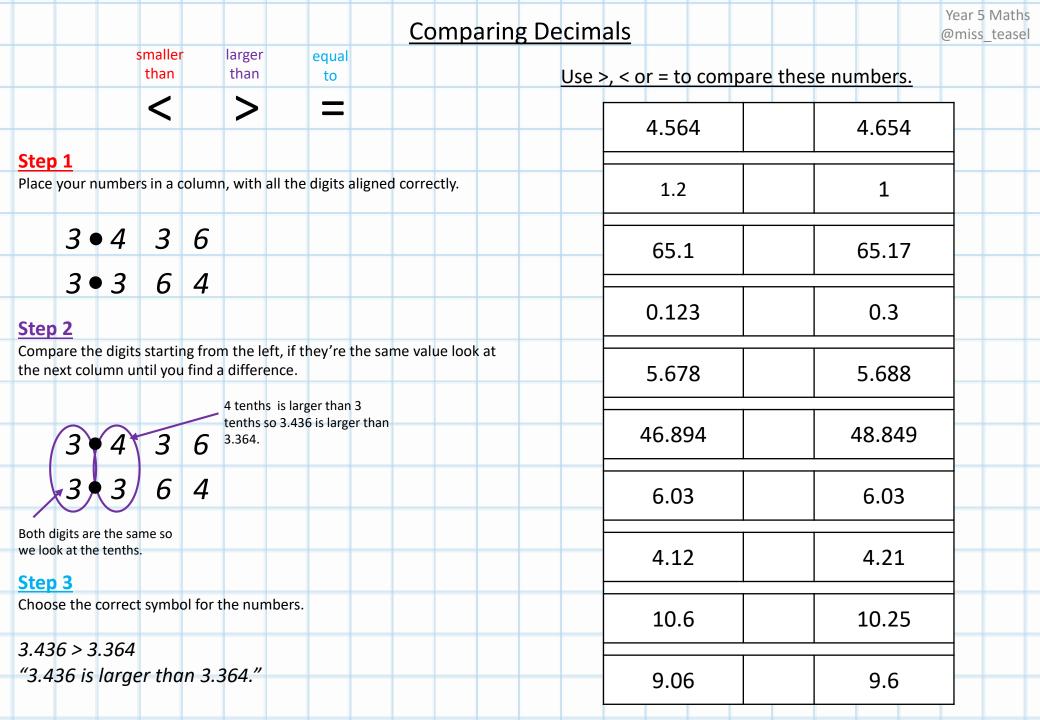
Year 5 Maths

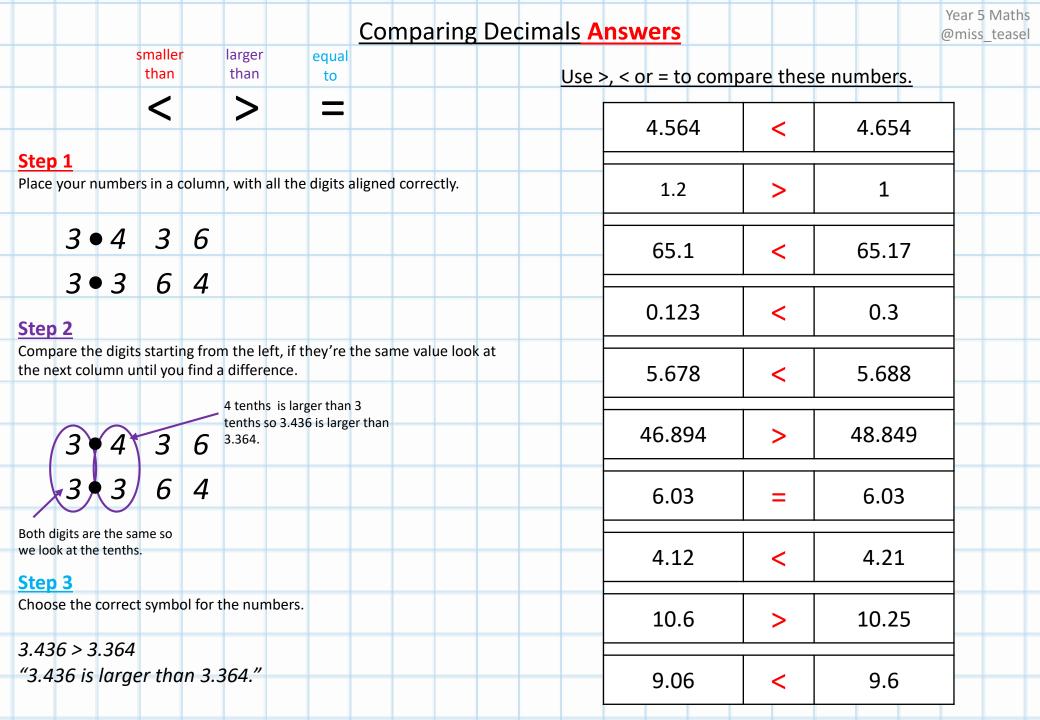
@miss\_teasel

	Tens	Units		Tenths	Hundredths	Thousandths	Number	Rounded to the Nearest Whole Number
			•				2.7	3
	1	4	Ŀ	2	0	8	6.28	6
	<u>ep 1</u>						9.831	10
		inding to t n and circl			number, we nee	ed to underline the	14.3	14
	ep 2	(circled n	umher)	is 5 or mo	re add one mor	e to the underlined	67.57	68
		or less, le			re, add one mor	e to the underlined	80.04	80
	e <mark>p 3</mark> vour ans	swer, just v	write th	e units – vo	ou don't need ai	nything after the	35.921	36
	imal poi			+		, 6	421.6	422
		$\bigcirc$	1 _				142.12	142
<u>5</u>	•	(3) 4	4 =	than 5 so w	e		371.823	372
			leave they	e the units a are.	S		4.289	4
<u>5</u>	+	(6) Z	7 8	2 =	6		99.72	100
<u></u>	+	\ \ \	Mor	e than 5 so v	ve		802.008	802
	+			1 to the uniting 6.	S.S.		129.7	130









Step 1

Step 2

Step 3

Step 4

0

100.

99%

0.99

Step 1

Step 2

Step 3

Step 4

tells us how many make a whole.

Units

0

6

7

100.

Units of Length	Units of Mass	Units of Capacity		
10 mm = 1 cm 100 cm = 1 m 1000 m = 1 km	1000 g = 1 kg	1000 ml = 1 l		
Step 1				
Write out the measuren	nents that you need thin	king of how many go int		

What is 3 I in ml?

Question

**Answer** 

Write out the measurements that you need, thinking of how many go into 1 of the other. For example, if converting cm to metres, we need to know how

What is 3.4 km in m?

What is 4500 g in kg?

many cm are in a m.

1 m

What is 67 cm in mm?

What is 380 ml in I?

What is 2.78 kg in g?

What is 15.6 l in ml?

What is 837 g in kg?

1000 cm

Step 2

1000 cm

X 1000

Add arrows showing how you get to each value from the other.

1 m

What is 7 mm in cm?

What is 14 m in cm?

Step 3

You can then use these calculations to work out your answer. What is 3708 cm in m?

÷ 1000

3708 cm = 3.708 m

To get from cm to m we need to  $\div$  1000 so we need to divide 3708 by 1000.

What is 1.2 m in mm?

What is 2 g in kg?

What is 63,000 cm in km?

Units of Length Uni	its of Mass	Units of Capacity	Overtice	A
	0 g = 1 kg	1000 ml = 1 l	Question	Answer
100 cm = 1 m 1000 m = 1 km			What is 3 l in ml?	3000 ml
Step 1			What is 4500 g in kg?	4.5 kg
Write out the measurements that you need, thinking of how many go into 1 of the other. For example, if converting cm to metres, we need to know how			What is 3.4 km in m?	3400 m
many cm are in a m.			What is 67 cm in mm?	670 mm
1000 cm = 1 i	m		What is 380 ml in I?	0.38
Step 2			What is 2.78 kg in g?	2780 g
Add arrows showing how you X 1000	get to each value	e from the other.	What is 14 m in cm?	1400 cm
1000 cm = 3	1 m		What is 7 mm in cm?	0.7 cm
÷ 1000			What is 15.6 l in ml?	15,600 ml
Step 3			What is 837 g in kg?	0.837 kg
You can then use these calcul What is 3708 cm in		t your answer.	What is 1.2 m in mm?	1200 mm
To get from cm to m we need	l to ÷ 1000 so we	need to divide 3708 by 1000.	What is 63,000 cm in km?	0.63 km
3708 cm = 3.708	m		What is 2 g in kg?	0.002 kg

Converting between	en Units of Time	Year 5 Maths @miss_teasel
Units of Time		
60 seconds = 1 minute 7 days = 1 week 12 months = 1 year 365 days = 1 year	Question  What is 360 seconds in minutes?	Answer
Step 1	What is 300 minutes in hours?	
Write out the measurements that you need, thinking of how many go into 1 of the other. For example, if converting seconds to minutes, we need to know how many seconds are in a minute.	What is 86 minutes in seconds?	
	What is 60 months in years?	
60 seconds = 1 minute	What is 7 minutes in seconds?	
Step 2 Add arrows showing how you get to each value from the other.	What is 3 hours in minutes?	
X 60	What is 3 ½ minutes in seconds?	
60 seconds = 1 minute ÷ 60	What is 28 days in weeks?	
	What is 480 minutes in hours?	
Step 3 You can then use these calculations to work out your answer.	What is 13 weeks in days?	
What is 240 seconds in minutes?  To get from seconds to minutes we need to ÷ 60 so we need to divide 240	What is 100 minutes in hours and minutes?	
by 60.	What is 5 ½ hours in minutes?	
240 seconds = 4 minutes	What is 3 years in days?	

Converting between Units of Time Answers @miss_teasel					
Units of Time					
60 seconds = 1 minute	Question	Answer			
60 minutes = 1 day 24 hours = 1 day 365 days = 1 year	What is 360 seconds in minutes?	6 minutes			
<u>Step 1</u>	What is 300 minutes in hours?	5 hours			
Write out the measurements that you need, thinking of how many go into 1 of the other. For example, if converting seconds to minutes, we need to	What is 86 minutes in seconds?	5160 seconds			
know how many seconds are in a minute.	What is 60 months in years?	5 years			
60 seconds = 1 minute	What is 7 minutes in seconds?	420 seconds			
Step 2	What is 3 hours in minutes?	180 minutes			
Add arrows showing how you get to each value from the other.  X 60	What is 3 ½ minutes in seconds?	210 seconds			
60 seconds = 1 minute	What is 28 days in weeks?	4 weeks			
	What is 480 minutes in hours?	8 hours			
Step 3 You can then use these calculations to work out your answer.	What is 13 weeks in days?	91 days			
What is 240 seconds in minutes?  To get from seconds to minutes we need to ÷ 60 so we need to divide 240	What is 100 minutes in hours and minutes?	1 hour 40 minutes			
by 60.	What is 5 ½ hours in minutes?	330 minutes			
240 seconds = 4 minutes	What is 3 years in days?	1095 days			

