

Summer Keep Up Maths Booklet

Year 4

Name:

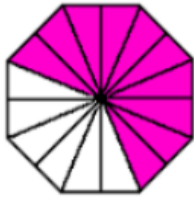
Instructions

- 6 weeks of quick maths questions – one for each week of your holiday!
- You then have 5 questions to complete a day, with an example at the top to help you in purple pen.
- 5 minutes a day, is all I am asking to help you 'Keep up' over the summer holidays!



Week 1

What fraction is shaded?



numerator
10 (parts
coloured)
denominator
(whole)
16

Write 0.3 as a fraction.

$$0.3 = \frac{3}{10}$$

tenth

Convert these

Roman Numerals:

$$CXX = 120$$

C = 100 X = 10

HT O

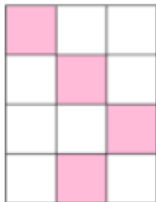
Round 285 to
290
the nearest 10.

Look at the ones column - if 5 or over round up - if 4 or less round down.

Tth	Th	H	T	O
			5	1
	5	1	0	0

51 x 100 =
x (multiply) move digits two spaces

What fraction is shaded?



Write 0.4 as a fraction.

$$0.4 = \frac{\quad}{\quad}$$

Convert these

Roman Numerals:

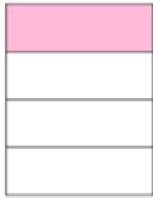
$$CX$$

Round 173 to
the nearest 10.

Tth	Th	H	T	O
			5	7

57 x 100 =

What fraction is shaded?



Write 0.1 as a fraction.

$$0.1 = \frac{\quad}{\quad}$$

Convert these

Roman Numerals:

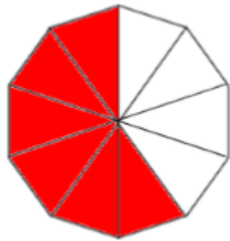
CXXX

Round 451 to
the nearest 10.

Tth	Th	H	T	O
			7	2

$$72 \times 100 =$$

What fraction is shaded?



Write 0.7 as a fraction.

$$0.7 = \frac{\quad}{\quad}$$

Convert these

Roman Numerals:

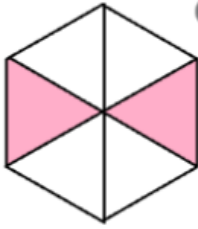
C

Round 767 to
the nearest 10.

Tth	Th	H	T	O
			6	9

$$69 \times 100 =$$

What fraction is shaded?



Write 0.6 as a fraction.

$$0.6 = \frac{\quad}{\quad}$$

Convert these

Roman Numerals:

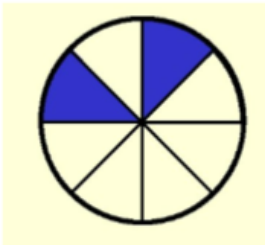
XX

Round 594 to
the nearest 10.

Tth	Th	H	T	O
			1	2

$$12 \times 100 =$$

What fraction is shaded?



Write 0.5 as a fraction.

$$0.5 = \frac{\quad}{\quad}$$

Convert these

Roman Numerals:

C

Round 912 to
the nearest 10.

Tth	Th	H	T	O
			6	8

$$68 \times 100 =$$

Week 2

<p>Th Th</p> <p style="text-align: center;"><u>1000</u> more than 2013.</p> <p style="text-align: center; font-size: 24pt; color: purple;">3013</p>	<p>numerator $\frac{2}{5}$ denominator</p> <p style="text-align: center;">amount of 25</p> <p style="text-align: right; color: purple;">$25 \div 5 = 5$ $5 \times 2 = 10$</p> <p style="font-size: 10pt; color: purple;">divide the amount by the denominator then multiply your answer by the numerator.</p>																
<p style="color: red;">Convert these</p> <p style="color: red;">Roman Numerals:</p> <p>XCV X = 10 C = 100 V = 5</p> <p style="font-size: 24pt; color: purple;">95</p> <p style="font-size: 10pt; color: purple;">If the lesser value comes before, it means subtract.</p>	<p style="text-align: center; color: purple;">HTO</p> <p>Round 2912 to the nearest 100.</p> <p style="font-size: 24pt; color: purple;">2900</p> <p style="font-size: 10pt; color: purple;">Look at the <u>tens</u> column - if 5 or over round up - if 4 or less round down.</p>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr><th>Tth</th><th>Th</th><th>H</th><th>T</th><th>O</th></tr> <tr><td></td><td>1</td><td>5</td><td>0</td><td>0</td></tr> <tr><td></td><td></td><td></td><td>1</td><td>5</td></tr> </table> <p style="text-align: right; color: purple;">$1500 \div 100 = 15$</p>	Tth	Th	H	T	O		1	5	0	0				1	5
Tth	Th	H	T	O													
	1	5	0	0													
			1	5													

<p style="color: red;">1000 more than 4437.</p>	<p style="text-align: center; font-size: 24pt; color: red;">$\frac{3}{5}$ of 25</p>																
<p style="color: red;">Convert these</p> <p style="color: red;">Roman Numerals:</p> <p style="font-size: 24pt; color: purple;">XC</p>	<p style="text-align: center;">Round 582 to the nearest 100.</p>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr><th>Tth</th><th>Th</th><th>H</th><th>T</th><th>O</th></tr> <tr><td></td><td>2</td><td>8</td><td>0</td><td>0</td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> </table> <p style="text-align: right; color: purple;">$2800 \div 100 =$</p>	Tth	Th	H	T	O		2	8	0	0					
Tth	Th	H	T	O													
	2	8	0	0													

1000 more than 280

$\frac{4}{5}$ of 25

Convert these

Roman Numerals:

XV

Round 791 to
the nearest 100.

Tth	Th	H	T	O
	4	2	0	0

$$4200 \div 100 =$$

1000 more than 4614

$\frac{3}{8}$ of 80

Convert these

Roman Numerals:

XXV

Round 5198 to
the nearest 100.

Tth	Th	H	T	O
	1	7	0	0

$$1700 \div 100 =$$

1000 more than 8602

$\frac{1}{8}$ of 40

Convert these

Roman Numerals:

CXV

Round 6114 to
the nearest 100.

Tth	Th	H	T	O
	9	8	0	0

$$9800 \div 100 =$$

1000 more than 7599

$\frac{7}{8}$ of 40

Convert these

Roman Numerals:

CXXXV

Round 6194 to
the nearest 100.

Tth	Th	H	T	O
	2	7	0	0

$$2700 \div 100 =$$

Week 3

Th 1000 <u>less</u> than 8209 Th	$\frac{3}{7} \text{ of } 49$ $49 \div 7 = 7$ $7 \times 3 = 21$ <p>divide the amount by the denominator and then multiply by the numerator.</p>															
What value is underlined? Th H T O 6 <u>9</u> 23 20 (2 tens)	Th H T O Round 7794 to the nearest 1000. 8000 Look at the hundreds column - if 5 or over round up - if 4 or less round down. <table border="1" data-bbox="1007 674 1275 831"><thead><tr><th>Tth</th><th>Th</th><th>H</th><th>T</th><th>O</th></tr></thead><tbody><tr><td></td><td>2</td><td>7</td><td>6</td><td>0</td></tr><tr><td></td><td></td><td><u>2</u></td><td>7</td><td>6</td></tr></tbody></table> $2760 \div 10 = 276$	Tth	Th	H	T	O		2	7	6	0			<u>2</u>	7	6
Tth	Th	H	T	O												
	2	7	6	0												
		<u>2</u>	7	6												

1000 less than 5009	$\frac{2}{7} \text{ of } 49$															
What value is underlined? 8 <u>9</u> 13	Round 2980 to the nearest 1000. <table border="1" data-bbox="1007 1525 1275 1682"><thead><tr><th>Tth</th><th>Th</th><th>H</th><th>T</th><th>O</th></tr></thead><tbody><tr><td></td><td>8</td><td>9</td><td>1</td><td>0</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> $8910 \div 10 =$	Tth	Th	H	T	O		8	9	1	0					
Tth	Th	H	T	O												
	8	9	1	0												

1000 less than 5498

$\frac{6}{7}$ of 49

What value is
underlined?

5016

Round 2222 to
the nearest 1000.

Tth	Th	H	T	O
	6	4	1	0

$$6410 \div 10 =$$

1000 less than 9001

$\frac{6}{9}$ of 90

What value is
underlined?

5264

Round 2099 to
the nearest 1000.

Tth	Th	H	T	O
	5	5	1	0

$$5510 \div 10 =$$

1000 less than 6993

$\frac{4}{12}$ of 60

What value is
underlined?

5204

Round 999 to
the nearest 1000.

Tth	Th	H	T	O
	2	3	8	0

$$2380 \div 10 =$$

1000 less than 6993

$\frac{8}{12}$ of 120

What value is
underlined?

9009

Round 2049 to
the nearest 1000.

Tth	Th	H	T	O
	9	0	8	0

$$9080 \div 10 =$$

Week 4

$ \begin{array}{r} \text{HTO} \\ 62 \\ \times 4 \\ \hline 248 \end{array} $	<p>Multiply the ones by the ones first. Then the ones by the tens.</p>	$54 \div 9 = \underline{6}$ so $\underline{6} \times 9 = 54$																																			
<p>Compare these decimals:</p> <p>O.t h O.t h</p> $4.23 < 4.32$ <small>4.32 is bigger as it has 3 tenths where as 4.23 has 2 tenths.</small>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">Th</td> <td style="width: 10%; text-align: center;">H</td> <td style="width: 10%; text-align: center;">T</td> <td style="width: 10%; text-align: center;">O</td> </tr> <tr> <td></td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> <td style="text-align: center;">4</td> <td style="text-align: center;">7</td> </tr> <tr> <td style="text-align: center;">+</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">6</td> <td style="text-align: center;">3</td> </tr> <tr> <td></td> <td style="text-align: center;"><u>5</u></td> <td style="text-align: center;"><u>8</u></td> <td style="text-align: center;"><u>1</u></td> <td style="text-align: center;"><u>0</u></td> </tr> </table>		Th	H	T	O		4	5	4	7	+	1	2	6	3		<u>5</u>	<u>8</u>	<u>1</u>	<u>0</u>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 10%;">Tth</td> <td style="width: 10%;">Th</td> <td style="width: 10%;">H</td> <td style="width: 10%;">T</td> <td style="width: 10%;">O</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: right;">9</td> <td style="text-align: right;">1</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">9</td> <td style="text-align: right;">1</td> <td style="text-align: right;">0</td> </tr> </table> <p>$91 \times 10 = 910$</p>	Tth	Th	H	T	O				9	1			9	1	0
	Th	H	T	O																																	
	4	5	4	7																																	
+	1	2	6	3																																	
	<u>5</u>	<u>8</u>	<u>1</u>	<u>0</u>																																	
Tth	Th	H	T	O																																	
			9	1																																	
		9	1	0																																	

$ \begin{array}{r} \text{HTO} \\ 64 \\ \times 7 \\ \hline \\ \hline \hline \end{array} $	$63 \div 9 = \underline{\quad}$ so $\underline{\quad} \times 9 = 63$																																			
<p>Compare these decimals:</p> $4.75 \underline{\quad} 4.52$	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">Th</td> <td style="width: 10%; text-align: center;">H</td> <td style="width: 10%; text-align: center;">T</td> <td style="width: 10%; text-align: center;">O</td> </tr> <tr> <td></td> <td style="text-align: center;">5</td> <td style="text-align: center;">9</td> <td style="text-align: center;">1</td> <td style="text-align: center;">4</td> </tr> <tr> <td style="text-align: center;">+</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">6</td> <td style="text-align: center;">3</td> </tr> <tr> <td></td> <td style="text-align: center;"><u> </u></td> <td style="text-align: center;"><u> </u></td> <td style="text-align: center;"><u> </u></td> <td style="text-align: center;"><u> </u></td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center; margin-top: 10px;"> <tr> <td style="width: 10%;">Tth</td> <td style="width: 10%;">Th</td> <td style="width: 10%;">H</td> <td style="width: 10%;">T</td> <td style="width: 10%;">O</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: right;">6</td> <td style="text-align: right;">2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>$62 \times 10 =$</p>		Th	H	T	O		5	9	1	4	+	1	2	6	3		<u> </u>	<u> </u>	<u> </u>	<u> </u>	Tth	Th	H	T	O				6	2					
	Th	H	T	O																																
	5	9	1	4																																
+	1	2	6	3																																
	<u> </u>	<u> </u>	<u> </u>	<u> </u>																																
Tth	Th	H	T	O																																
			6	2																																

$$\begin{array}{r}
 \text{HTO} \\
 74 \\
 \times 5 \\
 \hline
 \\
 \hline
 \end{array}$$

$$132 \div 12 = \underline{\quad}$$

$$\text{SO } \underline{\quad} \times 12 = 132$$

Compare these

decimals:

$$5.05 \underline{\quad} 5.50$$

Th H T O

5 9 1 4

$$+ \begin{array}{r} 3563 \\ \hline \\ \hline \end{array}$$

Tth	Th	H	T	O
		8	5	2

$$852 \times 10 =$$

$$\begin{array}{r}
 \text{HTO} \\
 72 \\
 \times 8 \\
 \hline
 \\
 \hline
 \end{array}$$

$$99 \div 11 = \underline{\quad}$$

$$\text{SO } \underline{\quad} \times 11 = 99$$

Compare these

decimals:

$$6.34 \underline{\quad} 6.35$$

Th H T O

4 9 2 4

$$+ \begin{array}{r} 4566 \\ \hline \\ \hline \end{array}$$

Tth	Th	H	T	O
		9	1	3

$$913 \times 10 =$$

$$\begin{array}{r}
 \text{HTO} \\
 85 \\
 \times 3 \\
 \hline \\
 \hline
 \end{array}$$

$$56 \div 7 = \underline{\quad}$$

$$\text{so } \underline{\quad} \times 7 = 56$$

Compare these
decimals:

$$6.00 \underline{\quad} 6.1$$

$$\begin{array}{r}
 \text{Th H T O} \\
 1964 \\
 + 2761 \\
 \hline \\
 \hline
 \end{array}$$

Tth	Th	H	T	O
		1	9	4

$$194 \times 10 =$$

$$\begin{array}{r}
 \text{HTO} \\
 41 \\
 \times 9 \\
 \hline \\
 \hline
 \end{array}$$

$$42 \div 7 = \underline{\quad}$$

$$\text{so } \underline{\quad} \times 7 = 42$$

Compare these
decimals:

$$2.24 \underline{\quad} 4.00$$

$$\begin{array}{r}
 \text{Th H T O} \\
 8004 \\
 + 2768 \\
 \hline \\
 \hline
 \end{array}$$

Tth	Th	H	T	O
		6	0	4

$$604 \times 10 =$$

Week 5

$ \begin{array}{r} \text{Th H T O} \\ 821 \\ \times \quad 9 \\ \hline 7389 \\ \hline \end{array} $	$42 \div 5 =$ $ \begin{array}{r} 08 \text{ r}2 \\ 5 \overline{)42} \\ \underline{40} \\ 2 \end{array} $	<p>1. How many 5's in 4? 0 so carry the 4 over to make 42.</p> <p>2. How many 5's in 42? 8 (5 x 8 = 40) remainder 2.</p>
<p style="color: red;">Convert this 12h time to a 24h time.</p> <p style="font-size: 1.2em;">2:02 am</p> <p style="font-size: 1.2em; color: purple;">2:02</p> <p style="font-size: 0.8em;">If pm, add 12 to the hour. If am - keep it the same.</p>	<p style="font-size: 0.8em;">remember to 'exchange' if needed.</p> $ \begin{array}{r} \text{Th H T O} \\ 78904 \\ - 2768 \\ \hline 5236 \\ \hline \end{array} $	<p style="color: red;">Convert cm (centimetres) into M (metres)</p> <p style="font-size: 0.8em;">÷ 100</p> <p style="font-size: 1.2em;">405 cm = 4.05 M</p> <p style="font-size: 0.8em;">100 cm = 1 metre</p>

$ \begin{array}{r} \text{Th H T O} \\ 606 \\ \times \quad 4 \\ \hline \\ \hline \end{array} $	$49 \div 2 =$	
<p style="color: red;">Convert this 12h time to a 24h time.</p> <p style="font-size: 1.2em;">2:02 pm</p>	$ \begin{array}{r} \text{Th H T O} \\ 6584 \\ - 2268 \\ \hline \\ \hline \end{array} $	<p style="color: red;">Convert cm (centimetres) into M (metres)</p> <p style="font-size: 1.2em;">45 cm =</p>

$\begin{array}{r} \text{Th H T O} \\ 126 \\ \times 5 \\ \hline \\ \hline \end{array}$	$76 \div 5 =$	
<p>Convert this 12h time to a 24h time.</p> <p>8:27 pm</p>	$\begin{array}{r} \text{Th H T O} \\ 3424 \\ - 2261 \\ \hline \\ \hline \end{array}$	<p>Convert cm (centimetres) into M (metres)</p> <p>271 cm =</p>

$\begin{array}{r} \text{Th H T O} \\ 222 \\ \times 3 \\ \hline \\ \hline \end{array}$	$52 \div 3 =$	
<p>Convert this 12h time to a 24h time.</p> <p>5:41 am</p>	$\begin{array}{r} \text{Th H T O} \\ 3424 \\ - 1221 \\ \hline \\ \hline \end{array}$	<p>Convert cm (centimetres) into M (metres)</p> <p>924 cm =</p>

Th	H	T	O
	3	10	
	x	4	

$$55 \div 4 =$$

Convert this 12h time
to a 24h time.

5:01 pm

Th	H	T	O
	2	4	27
-	1	2	41

Convert cm
(centimetres) into
M (metres)

24 cm =

Th	H	T	O
	4	12	
	x	6	

$$85 \div 6 =$$

Convert this 12h time
to a 24h time.

11:01 pm

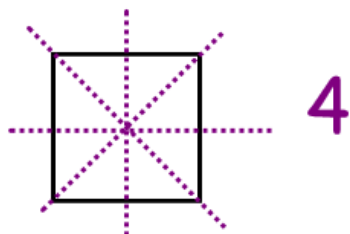
Th	H	T	O
	2	5	20
-	8	41	

Convert cm
(centimetres) into
M (metres)

200 cm =

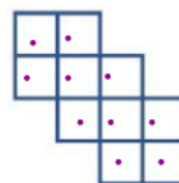
Week 6

How many lines of symmetry?



What is the area of this shape?

10 cm^2



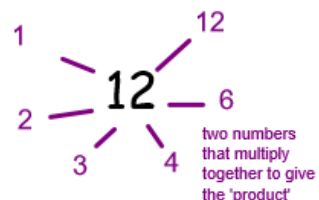
Write an equivalent fraction for:

$$\frac{1}{2} \xrightarrow{\times 2} \frac{2}{4}$$

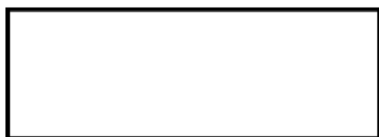
Is this angle acute or obtuse?



Write the factor pairs for:



How many lines of symmetry?



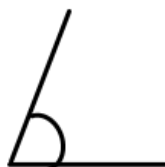
What is the area of this shape?



Write an equivalent fraction for:

$$\frac{1}{4}$$

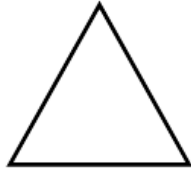
Is this angle acute or obtuse?



Write the factor pairs for:

10

How many lines of symmetry?



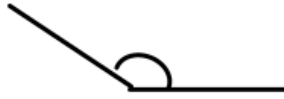
What is the area of this shape?



Write an equivalent fraction for:

$$\frac{1}{3}$$

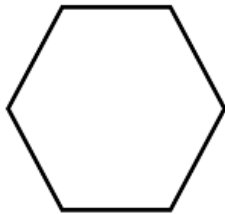
Is this angle acute or obtuse?



Write the factor pairs for:

20

How many lines of symmetry?



What is the area of this shape?



Write an equivalent fraction for:

$$\frac{1}{5}$$

Is this angle acute or obtuse?



Write the factor pairs for:

36

How many lines of symmetry?



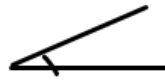
What is the area of this shape?



Write an equivalent fraction for:

$$\frac{2}{6}$$

Is this angle acute or obtuse?



Write the factor pairs for:

40

How many lines of symmetry?



What is the area of this shape?



Write an equivalent fraction for:

$$\frac{6}{10}$$

Is this angle acute or obtuse?



Write the factor pairs for:

56