

Summer Keep Up Maths Booklet

Year 4



Name:

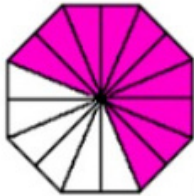
Instructions

- 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:

$$CXX = 120$$

$$C = 100 \quad X = 10$$

HT O
Round 285 to
290
the nearest 10.

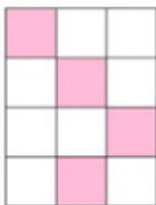
Look at the ones column - if 5
or over round up - if 4 or less
round down.

Tth	Th	H	T	O
			5	1
	5	1	0	0

$$51 \times 100 =$$

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:

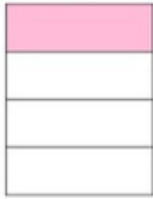
$$CX$$

Round 173 to
the nearest 10.

Tth	Th	H	T	O
			5	7

$$57 \times 100 =$$

What fraction is shaded?



Write 0.1 as a fraction.

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

Convert these

Roman Numerals:

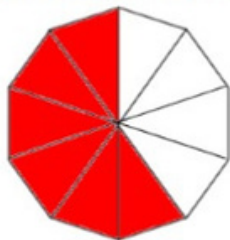
CXXX

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:

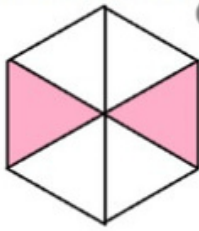
C

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:

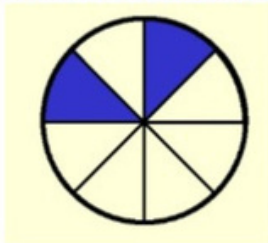
XX

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

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

1000 more than 4437.	$\frac{3}{5}$ of 25																
Convert these Roman Numerals: XC	HTO Round 582 to the nearest 100.	<table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <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> $2800 \div 100 =$	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 Th 1000 <u>less</u> than 8209	$49 \div 7 = 7$ $\frac{3}{7}$ of 49 $7 \times 3 = 21$ divide the amount by the denominator and then multiply by the numerator.																
What value is underlined? Th H T O 69<u>2</u>3 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" 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>7</td> <td>6</td> <td>0</td> </tr> <tr> <td></td> <td></td> <td>2</td> <td>7</td> <td>6</td> </tr> </table> $2760 \div 10 = 276$	Tth	Th	H	T	O		2	7	6	0			2	7	6
Tth	Th	H	T	O													
	2	7	6	0													
		2	7	6													

1000 less than 5009	$\frac{2}{7}$ of 49																
What value is underlined? 8<u>9</u>13	Round 2980 to the nearest 1000.	<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>8</td> <td>9</td> <td>1</td> <td>0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </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

H T O 6 2 x 4 2 4 8 Multiply the ones by the ones first. Then the ones by the tens.	$54 \div 9 = \underline{6}$ so $\underline{6} \times 9 = 54$															
Compare these decimals: O . t h 4.23 < O . t h 4.32 4.32 is bigger as it has 3 tenths where as 4.23 has 2 tenths.	Th H T O 4 5 4 7 + 1 2 6 3 5 8 1 0 + <table border="1" style="border-collapse: collapse; text-align: center; font-size: small;"> <tr><th>Tth</th><th>Th</th><th>H</th><th>T</th><th>O</th></tr> <tr><td></td><td></td><td></td><td>9</td><td>1</td></tr> <tr><td></td><td></td><td></td><td>9</td><td>1</td></tr> </table> $91 \times 10 = 910$	Tth	Th	H	T	O				9	1				9	1
Tth	Th	H	T	O												
			9	1												
			9	1												

H T O 6 4 x 7 	$63 \div 9 = \underline{\quad}$ so $\underline{\quad} \times 9 = 63$															
Compare these decimals: 4.75 __ 4.52	Th H T O 5 9 1 4 + 1 2 6 3 + <table border="1" style="border-collapse: collapse; text-align: center; font-size: small;"> <tr><th>Tth</th><th>Th</th><th>H</th><th>T</th><th>O</th></tr> <tr><td></td><td></td><td></td><td>6</td><td>2</td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> </table> $62 \times 10 =$	Tth	Th	H	T	O				6	2					
Tth	Th	H	T	O												
			6	2												

$$\begin{array}{r}
 \text{H T O} \\
 74 \\
 \times 5 \\
 \hline
 \\
 \hline
 \end{array}$$

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

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

Compare these
decimals:

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

$$\begin{array}{r}
 \text{Th H T O} \\
 5914 \\
 + 3563 \\
 \hline
 \\
 \hline
 \end{array}$$

Tth	Th	H	T	O
		8	5	2

$$852 \times 10 =$$

$$\begin{array}{r}
 \text{H T O} \\
 72 \\
 \times 8 \\
 \hline
 \\
 \hline
 \end{array}$$

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

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

Compare these
decimals:

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

$$\begin{array}{r}
 \text{Th H T O} \\
 4924 \\
 + 4566 \\
 \hline
 \\
 \hline
 \end{array}$$

Tth	Th	H	T	O
		9	1	3

$$913 \times 10 =$$

H	T	O
8	5	
x	3	

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

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

Compare these
decimals:

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

Th	H	T	O
1	9	6	4
+	2	7	6

T	h	H	T	O
		1	9	4

$$194 \times 10 =$$

H	T	O
4	1	
x	9	

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

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

Compare these
decimals:

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

Th	H	T	O
8	0	0	4
+	2	7	6

T	h	H	T	O
		6	0	4

$$604 \times 10 =$$

Week 5

Th H T O 8 2 1 x 9 7389	42 ÷ 5 = 08 r2 5 42 1. How many 5's in 4? 0 so carry the 4 over to make 42. 2. How many 5's in 42? 8 (5 x 8 = 40) remainder 2.	
Convert this 12h time to a 24h time. 2:02 am 2:02 If <u>pm</u>, add 12 to the hour. If <u>am</u> - keep it the same.	remember to 'exchange' if needed. Th H T O 78904 - 2768 5236	Convert cm (centimetres) into M (metres) ÷ 100 405 cm = 4.05 M 100 cm = 1 metre

$\begin{array}{r} \text{Th H T O} \\ 606 \\ \times \quad 4 \\ \hline \\ \hline \end{array}$	$49 \div 2 =$	
Convert this 12h time to a 24h time. 2:02 pm	$\begin{array}{r} \text{Th H T O} \\ 6584 \\ - 2268 \\ \hline \\ \hline \end{array}$	Convert cm (centimetres) into M (metres) 45 cm =

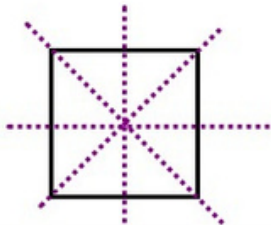
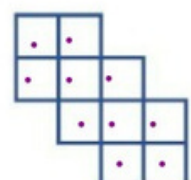
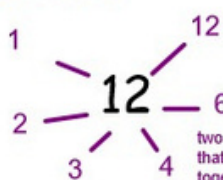
$ \begin{array}{r} \text{Th H T O} \\ 126 \\ \times \quad 5 \\ \hline \\ \hline \end{array} $	$76 \div 5 =$		
Convert this 12h time to a 24h time. 8:27 pm	<table> <tr> <td> $\begin{array}{r} \text{Th H T O} \\ 3424 \\ - 2261 \\ \hline \\ \hline \end{array}$ </td><td> Convert cm (centimetres) into M (metres)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

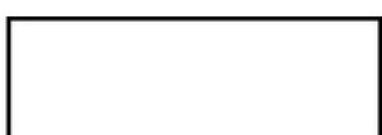
$ \begin{array}{r} \text{Th H T O} \\ 222 \\ \times \quad 3 \\ \hline \\ \hline \end{array} $	$52 \div 3 =$		
Convert this 12h time to a 24h time. 5:41 am	<table> <tr> <td> $\begin{array}{r} \text{Th H T O} \\ 3424 \\ - 1221 \\ \hline \\ \hline \end{array}$ </td><td> Convert cm (centimetres) into M (metres)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

$\begin{array}{r} \text{Th H T O} \\ 310 \\ \times 4 \\ \hline \\ \hline \end{array}$	$55 \div 4 =$		
Convert this 12h time to a 24h time. 5:01 pm	<table> <tr> <td> $\begin{array}{r} \text{Th H T O} \\ 2427 \\ - 1241 \\ \hline \\ \hline \end{array}$ </td><td> Convert cm (centimetres) into M (metres) 24 cm = </td></tr> </table>	$\begin{array}{r} \text{Th H T O} \\ 2427 \\ - 1241 \\ \hline \\ \hline \end{array}$	Convert cm (centimetres) into M (metres) 24 cm =
$\begin{array}{r} \text{Th H T O} \\ 2427 \\ - 1241 \\ \hline \\ \hline \end{array}$	Convert cm (centimetres) into M (metres) 24 cm =		

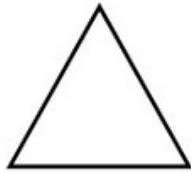
$\begin{array}{r} \text{Th H T O} \\ 412 \\ \times 6 \\ \hline \\ \hline \end{array}$	$85 \div 6 =$		
Convert this 12h time to a 24h time. 11:01 pm	<table> <tr> <td> $\begin{array}{r} \text{Th H T O} \\ 2520 \\ - 841 \\ \hline \\ \hline \end{array}$ </td><td> Convert cm (centimetres) into M (metres) 200 cm = </td></tr> </table>	$\begin{array}{r} \text{Th H T O} \\ 2520 \\ - 841 \\ \hline \\ \hline \end{array}$	Convert cm (centimetres) into M (metres) 200 cm =
$\begin{array}{r} \text{Th H T O} \\ 2520 \\ - 841 \\ \hline \\ \hline \end{array}$	Convert cm (centimetres) into M (metres) 200 cm =		

Week 6

How many lines of symmetry?  4	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 <u>acute</u> or <u>obtuse</u>?  90° angle This is less so it is <u>acute</u>	Write the factor pairs for:  two numbers that multiply together to give the 'product'

How many lines of symmetry? 	What is the area of this shape? 	
Write an equivalent fraction for: $\frac{1}{4}$	Is this angle <u>acute</u> or <u>obtuse</u>? 	Write the factor pairs for: 10

How many lines of symmetry?



What is the area of this shape?



Write an equivalent fraction for:

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

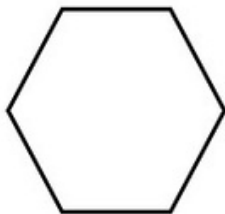
Is this angle acute or obtuse?



Write the factor pairs for:

20

How many lines of symmetry?



What is the area of this shape?



Write an equivalent fraction for:

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

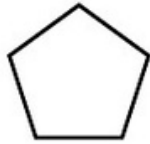
Is this angle acute or obtuse?



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