Summer Keep Up Maths Booklet

Year 3
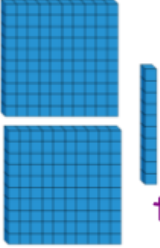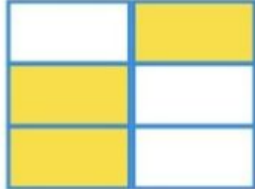
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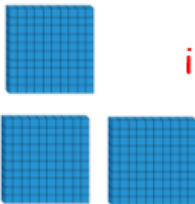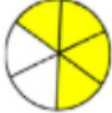
Instructions

- 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

Write this number in words:

two hundred and ten

Complete the calculation:

$$\frac{1}{10} + \frac{9}{10} = 1$$

346 + 100 =
446

$$6 \times 8 = 42 \qquad 8$$
$$8 \times 6 = 42$$
$$42 \div 6 = 8 \qquad 6$$
$$42 \div 8 = 6 \qquad 42$$

What fraction is shaded?

$$\frac{3}{6}$$

Write this number in words:

Complete the calculation:

$$\frac{3}{10} + \frac{}{} = 1$$

233 + 100 =

$$\underline{} \times \underline{} = \underline{} \qquad 8$$
$$\underline{} \times \underline{} = \underline{} \qquad 3$$
$$\underline{} \div \underline{} = \underline{}$$
$$\underline{} \div \underline{} = \underline{} \qquad 24$$

What fraction does this show?

Write this number in words:	Complete the calculation:
	$\dfrac{6}{10} + \underline{} = 1$

122 + 100 =	$\underline{} \times \underline{} = \underline{}$ 8	What fraction does this show?
	$\underline{} \times \underline{} = \underline{}$ 5	
	$\underline{} \div \underline{} = \underline{}$	
	$\underline{} \div \underline{} = \underline{}$ 40	

Write this number in words:	Complete the calculation:
	$\dfrac{9}{10} + \underline{} = 1$

502 + 100 =	$\underline{} \times \underline{} = \underline{}$ 9	What fraction does this show?
	$\underline{} \times \underline{} = \underline{}$ 6	
	$\underline{} \div \underline{} = \underline{}$	
	$\underline{} \div \underline{} = \underline{}$ 54	
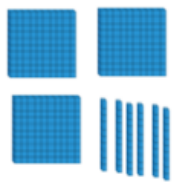
Write this number in words:

Complete the calculation:

$$\frac{7}{10} + \underline{} = 1$$

101 + 100 =

$$\underline{} \times \underline{} = \underline{} \quad 8$$

$$\underline{} \times \underline{} = \underline{} \quad 9$$

$$\underline{} \div \underline{} = \underline{}$$

$$\underline{} \div \underline{} = \underline{} \quad 72$$

What fraction does this show?

Write this number in words:

Complete the calculation:

$$\frac{2}{10} + \underline{} = 1$$

611 + 100 =

$$\underline{} \times \underline{} = \underline{} \quad 8$$

$$\underline{} \times \underline{} = \underline{} \quad 4$$

$$\underline{} \div \underline{} = \underline{}$$

$$\underline{} \div \underline{} = \underline{} \quad 32$$

What fraction does this show?

Week 2

H T O ← Start with the O (ones) column
  4 1 3
+ 2 3 4
———————
  6 4 7
	Complete the calculation:
	
	$\dfrac{2}{5} + \dfrac{3}{5} = 1$

512 + 10 = 🔴100 🔴100 🟡10 🟢1 🔴100 🔴100 ⚪10 🟢1 🔴100 **522**	$\underline{3} \times \underline{4} = \underline{12}$ $\underline{4} \times \underline{3} = \underline{12}$ $\underline{12} \div \underline{4} = \underline{3}$ $\underline{12} \div \underline{3} = \underline{4}$	3 4 12	**Write this fraction** *as a decimal:* $\dfrac{1}{10}$ O . t **0.1** one tenth

H T O 8 6 1 + 1 5 5 ——————— ———————	**Complete the calculation:** $\dfrac{1}{5} + \dfrac{\ }{\ } = 1$

624 + 10 = 🔴100 🔴100 🟡10 🟢1 🟢1 🔴100 🔴100 🟡10 🟢1 🟢1 🔴100 🔴100	$\underline{\ } \times \underline{\ } = \underline{\ }$ $\underline{\ } \times \underline{\ } = \underline{\ }$ $\underline{\ } \div \underline{\ } = \underline{\ }$ $\underline{\ } \div \underline{\ } = \underline{\ }$	10 4 40	**Write this fraction** *as a decimal:* $\dfrac{3}{10}$

H T O
4 1 2
+ 3 0 6
_____

Complete the calculation:

$$\frac{3}{5} + \frac{}{} = 1$$

816 + 10 =

$\_\_ \times \_\_ = \_\_$	11
$\_\_ \times \_\_ = \_\_$	8
$\_\_ \div \_\_ = \_\_$	
$\_\_ \div \_\_ = \_\_$	88

Write this fraction as a decimal:

$$\frac{9}{10}$$

H T O
6 1 8
+ 3 4 0
_____

Complete the calculation:

$$\frac{5}{5} + \frac{}{} = 1$$

738 + 10 =

$\_\_ \times \_\_ = \_\_$	7
$\_\_ \times \_\_ = \_\_$	8
$\_\_ \div \_\_ = \_\_$	
$\_\_ \div \_\_ = \_\_$	56

Write this fraction as a decimal:

$$\frac{8}{10}$$

H T O	Complete the calculation:
3 5 4	
+ 3 4 5	$\dfrac{4}{5} + \dfrac{\quad}{\quad} = 1$
———	

635 + 10 =	$\_\_ \times \_\_ = \_\_$	Write this fraction as a decimal:
(place value counters: 100 100, 100 100, 100 100 / 10, 10, 10 / 1 1, 1 1, 1)	$\_\_ \times \_\_ = \_\_$ 8	$\dfrac{4}{10}$
	$\_\_ \div \_\_ = \_\_$	
	$\_\_ \div \_\_ = \_\_$ 64	

H T O	Complete the calculation:
6 0 4	
+ 2 9 5	$\dfrac{\quad}{5} + \dfrac{\quad}{5} = 1$
———	

528 + 10 =	$\_\_ \times \_\_ = \_\_$	Write this fraction as a decimal:
(place value counters: 100 100, 100 100, 100 / 10, 10 / 1 1, 1 1, 1 1, 1 1)	$\_\_ \times \_\_ = \_\_$ 4	$\dfrac{6}{10}$
	$\_\_ \div \_\_ = \_\_$	
	$\_\_ \div \_\_ = \_\_$ 16	

Week 3

Th H T O 6 0 7 + 3 9 5 1 0 0 2 remember to carry over when needed.	Fill in the properties of this 3D shape: **8** vertices **12** edges **6** faces vertices face edges

| 851 + 100 =

951

you may want to draw it as a representation. | Write the value of the underline digit:

H T O
8**4**0

4 tens or 40 | Which is bigger?

0.6

$\frac{6}{10}$ (0.7) |

H T O 5 1 7 + 3 4 6 _____	Fill in the properties of this 3D shape: __ vertices __ edges __ faces

| 208 + 100 = | Write the value of the underline digit:

881 | Which is bigger?

$\frac{2}{10}$ 0.1 |

```
   H  T  O
   5  2  3
+  5  4  8
_____
_____
```

Fill in the properties of this 3D shape:

__ vertices
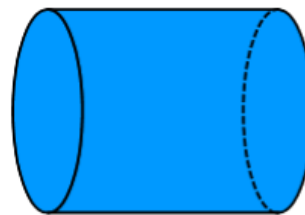
__ edges

__ faces

713 + 10 =

Write the value of the underline digit:

60<u>8</u>

Which is bigger?

$\dfrac{9}{10}$ 0.8

```
   H  T  O
   6  7  3
+  5  4  5
_____
_____
```

Fill in the properties of this 3D shape:

__ vertices

__ edges

__ faces
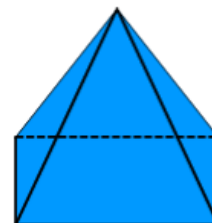
903 + 10 =
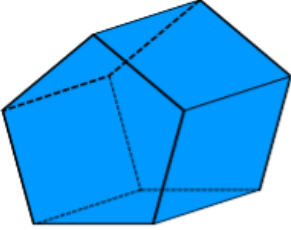
Write the value of the underline digit:
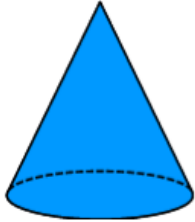
<u>3</u>92

Which is bigger?

$\dfrac{4}{10}$ 0.6

```
  H T O
  4 8 5
+ 5 4 5
_____

_____
```

Fill in the properties of this 3D shape:

___ vertices

___ edges

___ faces

293 + 100 =

Write the value of the underline digit:

70<u>0</u>

Which is bigger?

$\dfrac{6}{10}$ 0.8

```
  H T O
  7 8 5
+ 7 4 9
_____

_____
```

Fill in the properties of this 3D shape:

___ vertices

___ edges

___ faces

983 + 10 =

Write the value of the underline digit:

9<u>2</u>7

Which is bigger?

$\dfrac{4}{10}$ 0.4

Week 4

First grid

H T O 7 8 5 ⊖ 7 4 4 _____ 0 4 1	numerator $\frac{2}{5}$ of 25 amount denominator $25 \div 5 = 5$ $5 \times 2 = 10$ divide the amount by the denominator then multiply your answer by the numerator.
T 273 - 10 = ↘ subtract 263	Next number in the sequence: 0, 25, 50, 75
	Add these fractions: Only add the numerators! denominator stays the same $\frac{4}{10} + \frac{2}{10} = \frac{6}{10}$

Second grid

H T O 9 8 5 - 2 4 1 _____ _____	$\frac{3}{5}$ of 25
941 - 10 =	Next number in the sequence: 50, 75, ___
	Add these fractions: $\frac{3}{10} + \frac{6}{10}$

```
H T O
7 5 2
- 1 0 1
_____
```

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

467 - 10 =

Next number in the sequence:

100, 125, ___

Add these fractions:

$\dfrac{2}{7} + \dfrac{4}{7}$

```
H T O
2 9 7
-   7 1
_____
```

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

219 - 10 =

Next number in the sequence:

175, 200, ___

Add these fractions:

$\dfrac{1}{7} + \dfrac{3}{7}$

H T O	
8 9 7	$\dfrac{1}{8}$ of 40
- 3 7 6	
‾‾‾‾‾‾‾	

989 - 10 =	Next number in the sequence: 525, 550, ___	Add these fractions: $\dfrac{2}{6} + \dfrac{3}{6}$

H T O	
5 4 7	$\dfrac{7}{8}$ of 40
- 1 0 6	
‾‾‾‾‾‾‾	
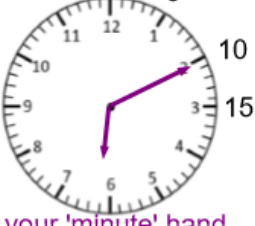
900 - 10 =	Next number in the sequence: 575, 600, ___	Add these fractions: $\dfrac{7}{9} + \dfrac{1}{9}$
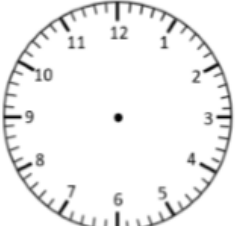
Week 5

$$\begin{array}{c} \text{H T O} \\ 5\,^{3}\!\!\!\!\!/\!4\,^{1}5 \\ -\ 1\ 0\ 6 \\ \hline 4\ 3\ 9 \end{array}$$

Remember to 'exchange' if needed.

Draw the hands on correctly:

6:10

Remember, your 'hour' hand must be smaller than your 'minute' hand

$828 - 100 =$

728

Next number in the sequence:

$0, 50, 100, \underline{150}$

Add these fractions:

$$\frac{7}{9} + \frac{3}{9} = \frac{10}{9}$$

$$\begin{array}{c} \text{H T O} \\ 8\ 6\ 5 \\ -\ 6\ 6\ 8 \\ \hline \end{array}$$

Draw the hands on correctly:

2:20

$701 - 100 =$

Next number in the sequence:

$150, 200, \underline{}$

Add these fractions:

$$\frac{4}{6} + \frac{3}{6}$$

H T O 4 6 4 − 3 6 6 ————	Draw the hands on correctly:	10:05

666 − 100 =	Next number in the sequence: 500, 550, ___	Add these fractions: $\dfrac{4}{6} + \dfrac{6}{6}$

H T O 9 6 7 − 6 8 5 ————	Draw the hands on correctly:	3:25
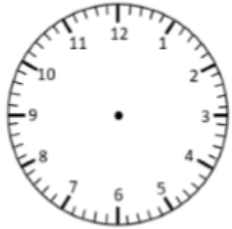
830 − 100 =	Next number in the sequence: 525, 575, ___	Add these fractions: $\dfrac{2}{4} + \dfrac{3}{4}$

H T O 4 2 0 - 8 5	Draw the hands on correctly:	7:10

601 - 100 =	Next number in the sequence: 675, 725, __	Add these fractions: $\dfrac{2}{5} + \dfrac{3}{5}$

H T O 9 0 0 - 4 5	Draw the hands on correctly:	12:35

218 - 100 =	Next number in the sequence: 925, 975, __	Add these fractions: $\dfrac{2}{7} + \dfrac{8}{7}$

Week 6

How much liquid is in the container?

800ml

goes up in 100's

Write this time as a <u>24 hour</u> clock:

h   h

4:50 pm =   16:50

add 12 to the hour <u>if</u> pm

---

918 + 100 =

1018

What is the first number in this sequence?

        -50

<u>**875**</u> 925, 975

<u>4</u> x <u>20</u> = 80

If I know 4 x 2 = 8, I then x it by 10.

How much liquid is in the container?

Write this time as a <u>24 hour</u> clock:

6:50 pm =

---

998 + 10 =

What is the first number in this sequence?

_____ 900, 925

---

4 x 40 =
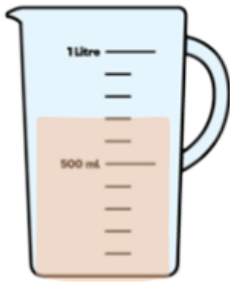
How much liquid is in the container?	Write this time as a 24 hour clock: 10:50 pm =	
299 + 10 =	What is the first number in this sequence? ____ 100, 150	6 x 40 =

How much liquid is in the container?	Write this time as a 24 hour clock: 8:50 am =	
991 - 10 =	What is the first number in this sequence? ____ 950, 925	9 x 40 =

How much liquid is in the container?	Write this time as a 24 hour clock: 1:50 am =	
285 - 100 =	What is the first number in this sequence? ____ 225, 275	7 x 40 =
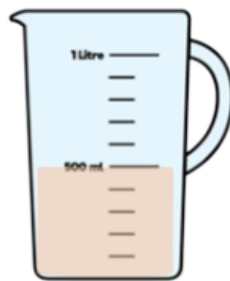
How much liquid is in the container?	Write this time as a 24 hour clock: 11:36 pm =	
105 - 100 =	What is the first number in this sequence? ____ 275, 225	11 x 40 =