Warm-Up Challenge

Flashback 4

Year 5 | Week 7 | Day 1

1) Work out $\frac{3}{5} + \frac{7}{20} + \frac{1}{10}$

2) Add $\frac{1}{5}$ and $\frac{1}{10}$

3) Write $\frac{29}{6}$ as a mixed number.

4) Add together 724 and 879

White Rose Maths

90 ÷ 5 = 18

$$
\begin{array}{c}
\; \boxed{1}\;\boxed{8} \\
5\,\overline{)\,9\;^{4}0\;}
\end{array}
$$
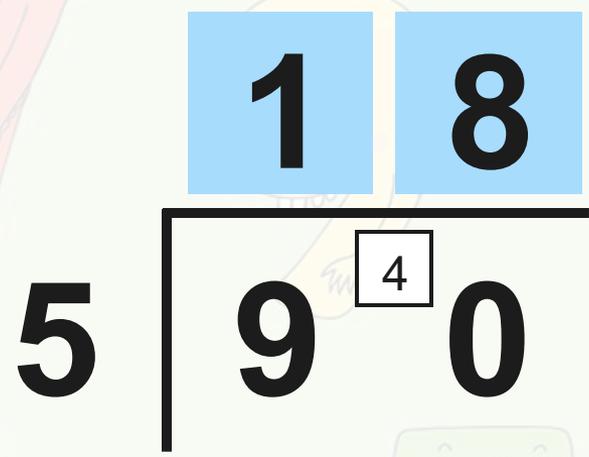
How many 5s are there in 90?

Teaching Input:

$$92 \div 4 = 23$$

2 3

4 | 9 [1] 2

How many 4s are there in 9?? How many 4s are there in 12?

145 ÷ 5 = 29

0	2	9

5 | 1 $\boxed{1}$ 4 $\boxed{4}$ 5

How many 5s are there in 145?

$$670 \div 5 = 134$$

$$
\begin{array}{c c c}
1 & 3 & 4
\end{array}
$$

$$5 \overline{\smash{\big)}\, 6\,{}^{1}7\,{}^{2}0}$$

How many 5s are there in 670?

Teaching Input:

362 ÷ 2 = 181

$$\begin{array}{c}
\;\begin{array}{|c|c|c|} 1 & 8 & 1 \end{array} \\
2\;\overline{)\;3\;{}^{1}6\;\square 2\;}
\end{array}$$

How many 2s are there in 30? How many 2s are there in 36? How many 2s are there in 2?

Teaching Input:

$$608 \div 2 = 304$$

$$
\begin{array}{c}
 3 \quad 0 \quad 4 \\
\hline
2 \, | \, 6 \, \square \, 0 \, \square \, 8
\end{array}
$$

How many 2s are there in 6?

Teaching Input:

$$642 \div 3 = 214$$

$$
\begin{array}{c}
\;2\;\;1\;\;4 \\
3\,|\,6\;\;{}^{\square}4\;\;{}^{1}2
\end{array}
$$

How many 3s are there in 6?

Teaching Input:

$$512 \div 4 = 128$$

$$
\begin{array}{c}
\;1\;\;2\;\;8 \\
\hline
4\,|\;5\;\;{}^{1}1\;\;{}^{3}2
\end{array}
$$

How many 4s are there in 32?

Teaching Input:

Match each division question with its place value representation and short division calculation.

A $4209 \div 3 = 1403$

B $1055 \div 5 = 211$

C $6072 \div 6 = 1012$
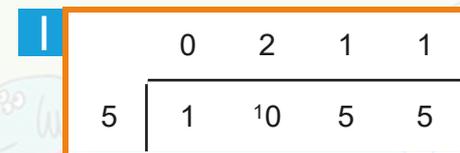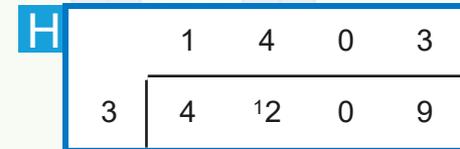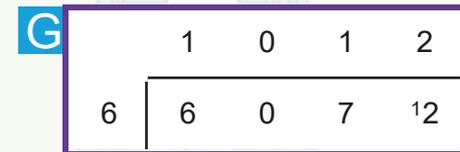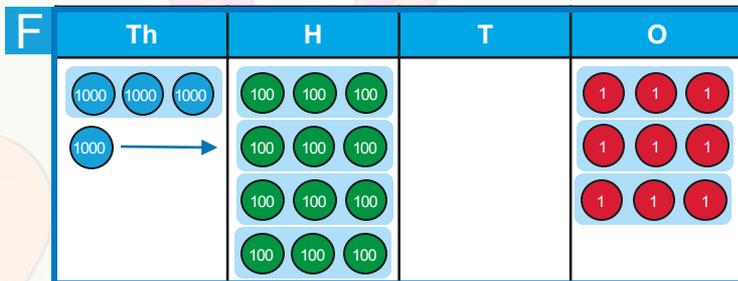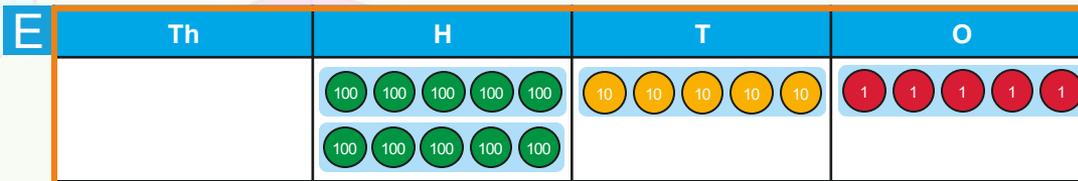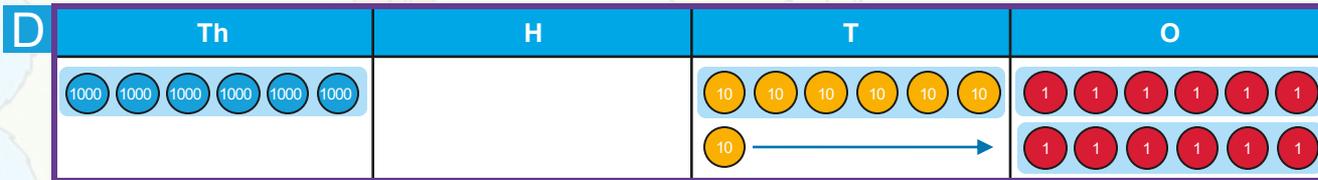
D

Th	H	T	O
1000 1000 1000 1000 1000 1000		10 10 10 10 10 10 10 →	1 1 1 1 1 1 1 1 1 1 1 1

E

Th	H	T	O
	100 100 100 100 100 100 100 100 100 100	10 10 10 10 10	1 1 1 1 1

F

Th	H	T	O
1000 1000 1000 1000 →	100 100 100 100 100 100 100 100 100 100 100 100		1 1 1 1 1 1 1 1 1 1 1 1

G

	1	0	1	2
6	6	0	7	$^{1}2$

H

	1	4	0	3
3	4	$^{1}2$	0	9

I

	0	2	1	1
5	1	$^{1}0$	5	5

1

a) Circle the groups of 3 to help you complete the sentences and calculation.

The first step has been done for you.

Th	H	T	O

|					
		1			
3	3	9	3	6	
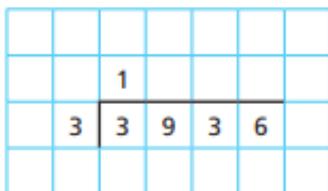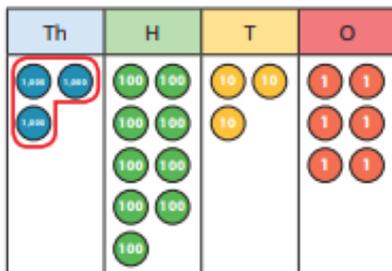
There is [1] group of 3 thousands.

There are [ ] groups of 3 hundreds.

There is [ ] group of 3 tens.

There are [ ] groups of 3 ones.

3,936 ÷ 3 = [ ]

b) Use a place value chart to work out 8,404 ÷ 4

4	8	4	0	4
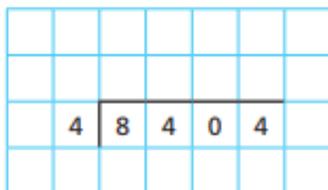
2 Use a place value chart to work out the divisions.

a) 8,532 ÷ 2

Th	H	T	O
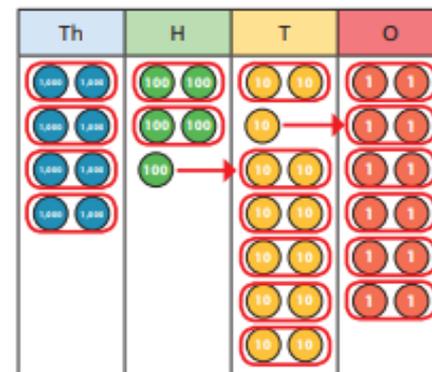
b) 5,296 ÷ 4   c) 6,078 ÷ 6

3 Complete the divisions.
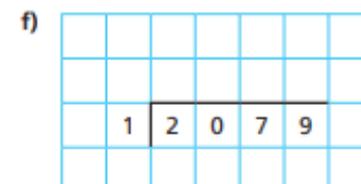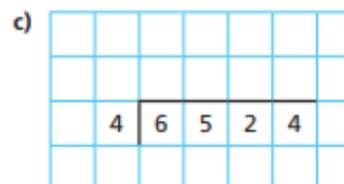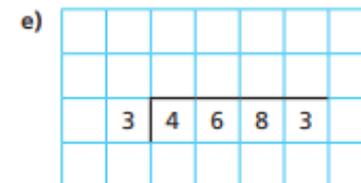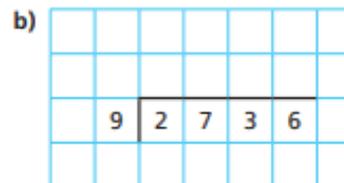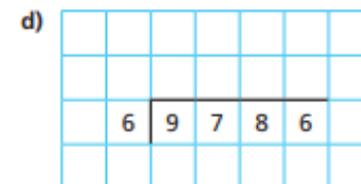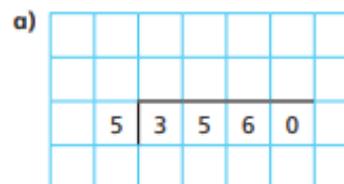
a)

5	3	5	6	0

b)

9	2	7	3	6

c)

4	6	5	2	4

d)

6	9	7	8	6

e)

3	4	6	8	3

f)

1	2	0	7	9

Can you work out the missing digits in these short division calculations?