Divide 4-digits by 1-digit

White Rose Maths

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	1	2
3	3	9	3	6

There is ☐ **1** group of 3 thousands.

There are ☐ **3** groups of 3 hundreds.

There is ☐ **1** group of 3 tens.

There are ☐ **2** groups of 3 ones.

3,936 ÷ 3 = ☐ **312**

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

Th	H	T	O

		2	1	0	1
4	8	4	0	4

8,404 ÷ 4 = ☐ **2101**

2 Use the place value charts to work out the divisions.

a) 8,532 ÷ 2 = ☐ **4266**

Th	H	T	O

		4	2	6	6
2	8	5	3	2

b) 5,296 ÷ 4 = ☐ **1324**

Th	H	T	O

		1	3	2	4
4	5	2	9	6

c) 6,078 ÷ 6 = ☐ **1013**

Th	H	T	O

		1	0	1	3
6	6	0	7	8

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3 Complete the divisions.

a)
$$5 \overline{) 3\ \ 35\ \ 6\ \ 10} = 0712$$

b)
$$9 \overline{) 2\ \ 27\ \ 3\ \ 36} = 0304$$

c)
$$4 \overline{) 6\ \ 25\ \ 12\ \ 4} = 1631$$

d)
$$6 \overline{) 9\ \ 37\ \ 18\ \ 6} = 1631$$

e)
$$3 \overline{) 4\ \ 16\ \ 18\ \ 3} = 1561$$

f)
$$1 \overline{) 2\ \ 0\ \ 7\ \ 9} = 2079$$

Could you have calculated the answer to part f) more efficiently?
Yes $2 \div 1 = 2$ $7 \div 1 = 7$
Something $\div 1 =$ the same

4 Work out the values of a, b and c.

9,415						
a	a	a	a	a	a	a

$7 \overline{) 9415} = 1345$ $a = 1345$

b	b	b	b	b	b	b	b
5,328							

$b = 666$

$8 \overline{) 5328} = 0666$

120	120	120	120
c	c	c	c

(with c c continuing) $c = 80$
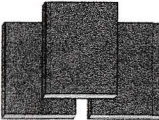
$120 \times 4 = 480$ $6 \overline{) 480} = 080$
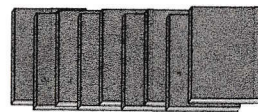
5 Find the missing digits.

a)
	2	2	4	1
4	8	9	16	4

b)
	3	2	6	2
2	6	5	12	4
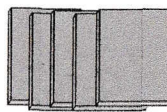
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