Short division

1 Work out the divisions mentally.

a) 9 ÷ 3 = ☐

90 ÷ 3 = ☐

900 ÷ 3 = ☐

9,000 ÷ 3 = ☐

b) 6 ÷ 2 = ☐

60 ÷ 2 = ☐

6,000 ÷ 2 = ☐

6,000 ÷ 3 = ☐

2 Complete the divisions.

a)

	3	9	3	6	9	

b)

	2	8	0	4	2	

c)

	4	8	5	6	4	

d)

	5	5	7	0	8	5	

e)

	3	7	0	8	2	7	

f)

	6	2	4	6	4	2	

3 Match the divisions to the remainders.

756 ÷ 4	r0	756 ÷ 2
757 ÷ 4	r1	756 ÷ 3
758 ÷ 4	r2	756 ÷ 4
759 ÷ 4	r3	756 ÷ 5
760 ÷ 4	r4	756 ÷ 6
	r5	

4 Complete the calculations.

a) 637 ÷ 5 = ☐

b) 1,036 ÷ 8 = ☐

c) Two thousand divided by eleven is equal to _____

_____

d) 297 ÷ ☐ = 3

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5 Work out the values of a, b, c and d.

1,386						
a	a	a	a	a	a	a

a =

b	b	b	b	b	b	b	b	b
3,339								

b =

54	54	54	54	54
c		c		c

c =

$72 \times 24 = d \times 6$

d =

6 Farm workers pick 18,451 strawberries over a year.

Strawberries are sold in boxes of 8

How many full boxes can be made?

7 There are 1,136 visitors at a theme park.

A ride can hold 7 people at a time.

How many times will the ride need to go around so that all the visitors go on once?

8 Tommy is thinking of a number between 800 and 900

- He divides the number by 4 and there is a remainder of 1
- He divides the number by 5 and there is a remainder of 1
- He divides the number by 6 and there is a remainder of 1
- He divides the number by 7 and there is a remainder of 1

What is Tommy's number?

9 Work out the missing numbers.

a)

		0	4	8		
	6					

b)

		2	4	8	r1	
	4	9		3		

c)

		0	9	1	r7	
		7	3			

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