

Short division

1 Complete the divisions.

a)

		1	1	3	
5	5	6	5		

		1	3	3	
5	6	6	5		

		0	9	3	0
5	4	6	5	0	

b)

		3	2	1	
3	9	6	3		

		3	2	4	
3	9	7	2		

		0	6	9	3
3	2	0	7	9	

2 Continue the sequence.

12, 24, 36, 48, 60, 72, 84, 96, 108

Complete the short divisions.

		0	5	2	1
12	6	2	5	2	

		0	1	6	7
12	2	0	8	5	4

		0	0	9	9
12	1	1	8	8	

3 Match each division to the remainder.

756 ÷ 4

757 ÷ 4

758 ÷ 4

759 ÷ 4

760 ÷ 4

r0

r1

r2

r3

r4

r5

756 ÷ 2

756 ÷ 3

756 ÷ 4

756 ÷ 5

756 ÷ 6

4 Complete the calculations.

a) $637 \div 5 = \boxed{127r2}$

b) $1,036 \div 8 = \boxed{129r4}$

c) Two thousand divided by eleven is equal to one hundred and eighty-one remainder nine.

d) $297 \div \boxed{99} = 3$



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

1,386						
a	a	a	a	a	a	a

$$1386 \div 7 =$$

$$a = \boxed{198}$$

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

$$3339 \div 9 = 371$$

$$b = \boxed{371}$$

54	54	54	54	54
c		c		c

$$54 \times 5 = 270$$

$$270 \div 3 = 90$$

$$c = \boxed{90}$$

$$72 \times 24 = d \times 6$$

$$1728 \div 6 = 288$$

$$d = \boxed{288}$$



6



How much does one bottle cost?

$$£6 \div 12 = 600p \div 12 = 50p$$

$$\boxed{50p}$$

Talk to a partner about the mistakes people may make with this question.

7

Tommy is thinking of a number between 800 and 900

He divides it by 4 and there is a remainder of 1 *← must be odd*

He divides it by 5 and there is a remainder of 1 *← must end in 1*

He divides it by 6 and there is a remainder of 1

He divides it by 7 and there is a remainder of 1

What is Tommy's number?

- 801 X
- 811 X
- 821 X
- 831 X
- 841
- 851
- 861 X
- 871
- 881
- 891 X

$$\boxed{841}$$

8

Complete the divisions.

a)

		0	4	8			
6		2	8	8			

b)

		2	4	8	r1		
4		9	9	3			

c)

		0	9	1	r7		
	8	7	3	5			

