# Divide 2-digits by 1-digit (2)

**1** Whitney is working out 49 ÷ 4 using a place value chart.

| Tens | Ones |
|---|---|
| 10 | 1 1 |
| 10 | 1 1 |
| 10 | 1 1 |
| 10 | 1 1 |

1

**a)** Talk about Whitney's method with a partner.

**b)** Why is there one counter left over?

It is a remainder.

**c)** Complete the division.

49 ÷ 4 = 12 r 1

**d)** Use place value counters to complete the divisions.

50 ÷ 4 = 12 r 2

51 ÷ 4 = 12 r 3

What do you notice?

**2** Complete the divisions.

**a)** 47 ÷ 3 = 15 r 2

**b)** 26 ÷ 5 = 5 r 1

**c)** 89 ÷ 4 = 22 r 1

**d)** 32 ÷ 5 = 6 r 2

**e)** 49 ÷ 6 = 8 r 1

**f)** 47 ÷ 4 = 11 r 3

**g)** 74 ÷ 3 = 24 r 2

**h)** 81 ÷ 7 = 11 r 4

**3** Complete the divisions.

**a)** 36 ÷ 4 = 9

37 ÷ 4 = 9 r 1

38 ÷ 4 = 9 r 2

39 ÷ 4 = 9 r 3

40 ÷ 4 = 10

**b)** 70 ÷ 5 = 14

71 ÷ 5 = 14 r 1

72 ÷ 5 = 14 r 2

73 ÷ 5 = 14 r 3

74 ÷ 5 = 14 r 4

**c)** 45 ÷ 3 = 15

46 ÷ 3 = 15 r 1

47 ÷ 3 = 15 r 2

48 ÷ 3 = 16

49 ÷ 3 = 16 r 1

**d)** 92 ÷ 4 = 23

91 ÷ 4 = 22 r 3

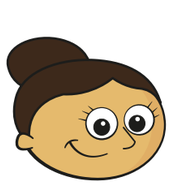
90 ÷ 4 = 22 r 2

89 ÷ 4 = 22 r 1

88 ÷ 4 = 22

**4** Dora has been working out some divisions.

$72 \div 4 = 18$
$73 \div 4 = 18$ r1
$74 \div 4 = 18$ r2
$75 \div 4 = 18$ r3



I know without working it out that $76 \div 4$ must be 18 r4

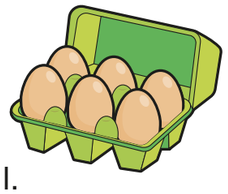
**a)** Why does Dora think this?

She has spotted a pattern.

**b)** Explain why Dora is wrong.

You can't have a remainder of 4 when dividing by 4

**5** Eggs come in boxes of 6



Annie has 75 eggs.

She wants to know how many boxes she can fill.

**a)** Complete the division to work it out.

75 ÷ 6 = 12 r 3

**b)** What does the remainder represent?

Talk about it with a partner.

**c)** Complete the sentence.

Annie can fill 12 boxes with 3 eggs left over.

**6** Jack has these bulbs.


Daffodils 49


Tulips 63


Crocuses 98

Equal numbers of each bulb are put into 4 tubs.

How many of each bulb will be in each tub?

Daffodils 12 Tulips 15 Crocuses 24

How many of each bulb will be left over?

Daffodils 1 Tulips 3 Crocuses 2

How many tubs could Jack use so that there are no bulbs left over?