

# Divide a 2-digit number by a 1-digit number (2)

1 Whitney is using a place value chart to work out  $49 \div 4$

Tens	Ones
10	1 1
10	1 1
10	1 1
10	1 1

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- a) Talk about Whitney's method with a partner.
- b) Why is there one counter left over?

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c) Complete the division.

$49 \div 4 = \boxed{\phantom{00}}$

d) Use place value counters to complete the divisions.

$50 \div 4 = \boxed{\phantom{00}}$

$51 \div 4 = \boxed{\phantom{00}}$

What do you notice?

2 Complete the divisions.

a)  $47 \div 3 = \boxed{\phantom{00}}$

b)  $26 \div 5 = \boxed{\phantom{00}}$

c)  $89 \div 4 = \boxed{\phantom{00}}$

d)  $32 \div 5 = \boxed{\phantom{00}}$

e)  $49 \div 6 = \boxed{\phantom{00}}$

f)  $47 \div 4 = \boxed{\phantom{00}}$

g)  $74 \div 3 = \boxed{\phantom{00}}$

h)  $81 \div 7 = \boxed{\phantom{00}}$

3 Complete the divisions.

a)  $36 \div 4 = \boxed{\phantom{00}}$

$37 \div 4 = \boxed{\phantom{00}}$

$38 \div 4 = \boxed{\phantom{00}}$

$39 \div 4 = \boxed{\phantom{00}}$

$40 \div 4 = \boxed{\phantom{00}}$

b)  $70 \div 5 = \boxed{\phantom{00}}$

$71 \div 5 = \boxed{\phantom{00}}$

$72 \div 5 = \boxed{\phantom{00}}$

$73 \div 5 = \boxed{\phantom{00}}$

$74 \div 5 = \boxed{\phantom{00}}$

c)  $45 \div 3 = \boxed{\phantom{00}}$

$46 \div 3 = \boxed{\phantom{00}}$

$47 \div 3 = \boxed{\phantom{00}}$

$48 \div 3 = \boxed{\phantom{00}}$

$49 \div 3 = \boxed{\phantom{00}}$

d)  $92 \div 4 = \boxed{\phantom{00}}$

$91 \div 4 = \boxed{\phantom{00}}$

$90 \div 4 = \boxed{\phantom{00}}$

$89 \div 4 = \boxed{\phantom{00}}$

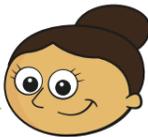
$88 \div 4 = \boxed{\phantom{00}}$



4 Dora has been working out some divisions.

$72 \div 4 = 18$   
 $73 \div 4 = 18 \text{ r}1$   
 $74 \div 4 = 18 \text{ r}2$   
 $75 \div 4 = 18 \text{ r}3$

I know without working it out that  $76 \div 4$  must be  $18 \text{ r}4$



a) Why does Dora think this?

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b) Explain why Dora is wrong.

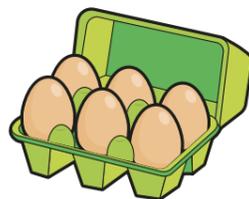
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5 Eggs come in boxes of 6

Annie has 75 eggs.

She wants to know how many boxes she can fill.



a) Complete the division to work it out.

$\div$   =  r

b) What does the remainder represent?

Talk about it with a partner.

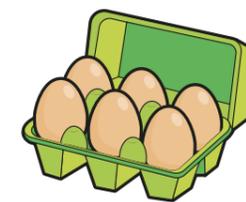
c) Complete the sentence.

Annie can fill  boxes, with  eggs left over.

6 A box can hold 6 eggs.

Teddy has 75 eggs.

He wants to put all the eggs into boxes.



a) How many boxes will Teddy need?

b) How many more eggs does Teddy need, so that all of his boxes are full?

7 Jack has these bulbs.

	Daffodils 49
	Tulips 63
	Crocuses 98

Equal numbers of each bulb are put into 4 tubs.

a) How many of each bulb will be in each tub?

daffodils  tulips  crocuses

b) How many of each bulb will be left over?

daffodils  tulips  crocuses

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

