

18.1.22




LO - I can divide a 2-digit number by a 1-digit number with remainders.

1. (Use place value counters if you need to).

work out the divisions.

- | | | | |
|----------------|----------------|----------------|----------------|
| a) $36 \div 4$ | b) $70 \div 5$ | c) $45 \div 3$ | d) $92 \div 4$ |
| $37 \div 4$ | $71 \div 5$ | $46 \div 3$ | $91 \div 4$ |
| $38 \div 4$ | $72 \div 5$ | $47 \div 3$ | $90 \div 4$ |
| $39 \div 4$ | $73 \div 5$ | $48 \div 3$ | $89 \div 4$ |
| $40 \div 4$ | $74 \div 5$ | $49 \div 3$ | $88 \div 4$ |

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?

How many of each bulb will be left over?

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

2.

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.

$$\boxed{} \div \boxed{} = \boxed{} \text{ r } \boxed{}$$

- b) What does the remainder represent?

Talk about it with a partner.

- c) Complete the sentence.

Annie can fill boxes with eggs left over.

3.

37 sweets are shared between 4 friends.
How many sweets are left over?

Four children attempt to solve this problem.

- Alex says it's 1
- Mo says it's 9
- Eva says it's 9 r 1
- Jack says it's 8 r 5

Can you explain who is correct and the mistakes other people have made?

4.

Whitney is thinking of a 2-digit number that is less than 50

When it is divided by 2, there is no remainder.

When it is divided by 3, there is a remainder of 1

When it is divided by 5, there is a remainder of 3

What number is Whitney thinking of?