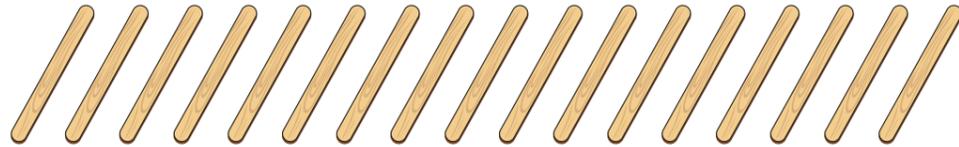


# Divide a 2-digit number by a 1-digit number – with remainders

1 Mo has these lolly sticks.



a) He uses them to make squares.

How many squares can Mo make?

Complete the sentences.

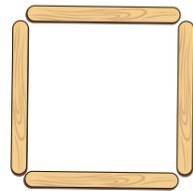
There are 17 lolly sticks.

There are  groups of 4

There is  lolly stick remaining.

$17 \div 4 =$   remainder

Mo can make  squares.



b) Mo now uses the lolly sticks to make triangles.

How many triangles can Mo make?

Complete the sentences.

There are 17 lolly sticks.

There are  groups of 3

There are  lolly sticks remaining.

$17 \div 3 =$   remainder

Mo can make  triangles.



c) Finally, Mo uses the lolly sticks to make pentagons.

How many pentagons can Mo make?

Complete the sentences.

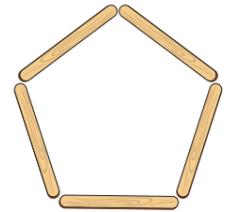
There are 17 lolly sticks.

There are  groups of 5

There are  lolly sticks remaining.

$17 \div 5 =$   remainder

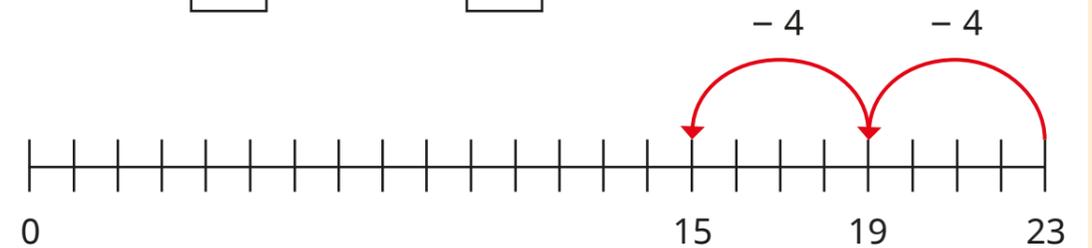
Mo can make  pentagons.



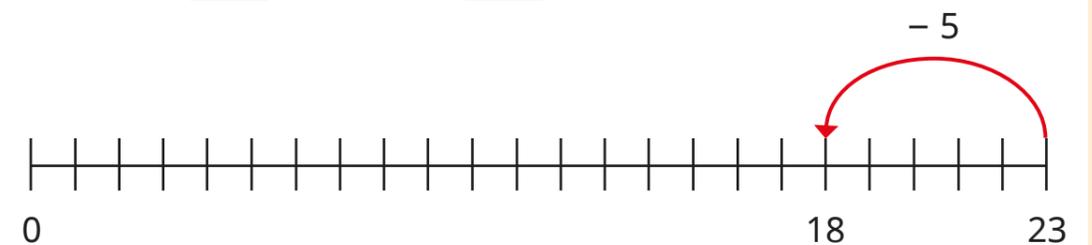
2 Use repeated subtraction to complete the divisions.

Use the number lines to help you.

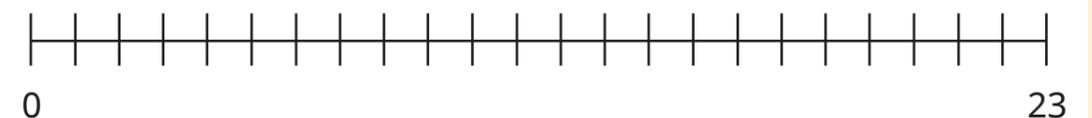
a)  $23 \div 4 =$   remainder



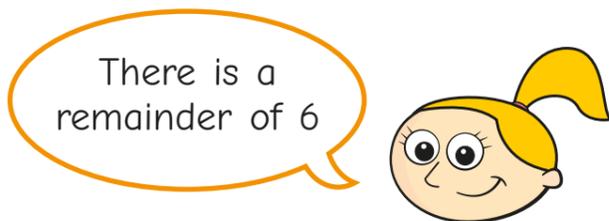
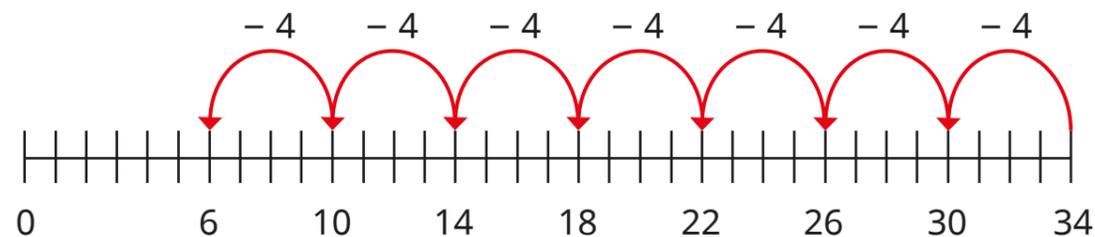
b)  $23 \div 5 =$   remainder



c)  $23 \div 3 =$   remainder



- 3 Eva works out  $34 \div 4$



Is Eva correct? \_\_\_\_\_

How do you know?



- 4 Use place value counters and a place value chart to work out the divisions.

a)  $87 \div 4 = \square$  remainder  $\square$

b)  $77 \div 3 = \square$  remainder  $\square$

c)  $74 \div 5 = \square$  remainder  $\square$

- 5 How do you know there is no remainder when 75 is divided by 5?

Without doing the division, what is the remainder when 76 is divided by 5?

- 6 Complete the calculations.

a)  $29 \div \square = 4$  remainder 5      c)  $29 \div \square = 14$  remainder 1

b)  $29 \div \square = 4$  remainder 1      d)  $29 \div \square = 9$  remainder 2

- 7 Teddy has fewer than 60 marbles but more than 40

When he shares them equally into 3 pots he has no remainders.

When he shares them equally into 4 pots he has remainder 3

When he shares them equally into 5 pots he has remainder 1

How many marbles could Teddy have?

