Tuesday - maths

LO To divide 2 digits by 1 digit

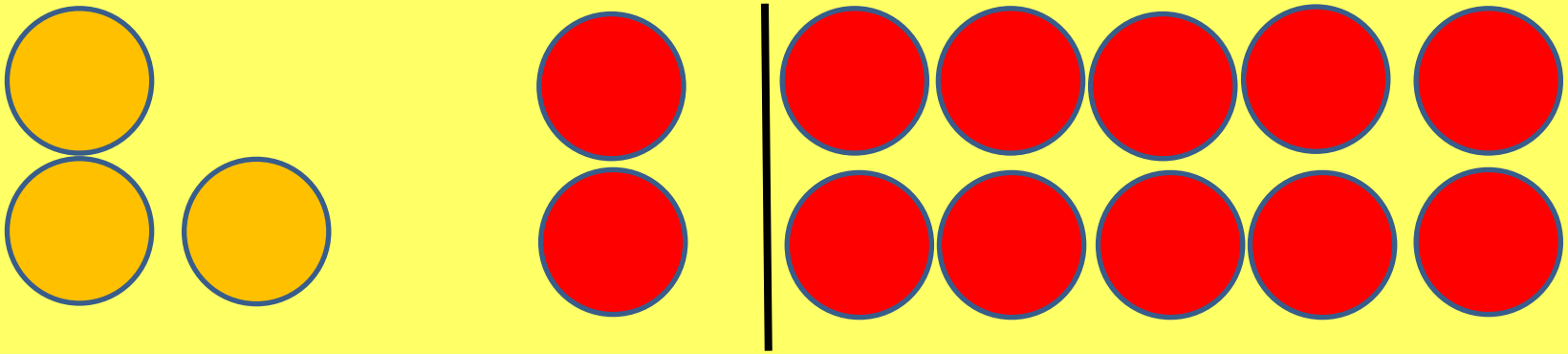
Tens	Ones

If we partition 28 into tens and ones
We have 2 tens and 8 ones
Now if we wanted to divide 28 by 4 we can share each of our tens and ones into groups of 4

20 ÷ 4 **+** **8 ÷ 4**

5 **2**

LO To divide 2 digits by 1 digit



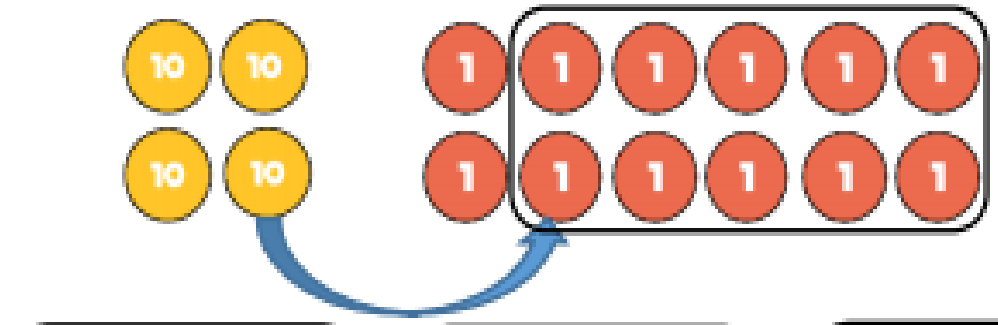
Here you have 3 tens and 2 ones which shows at total of 32. If you want to divide 32 by 2, you can first divide 2 of your tens into 2 groups, then exchange one of the tens into ones.

Finally, share the ones into the 2 groups. You will find that you have to equal groups of 16 and so you can see that 32 ÷ 2 =16

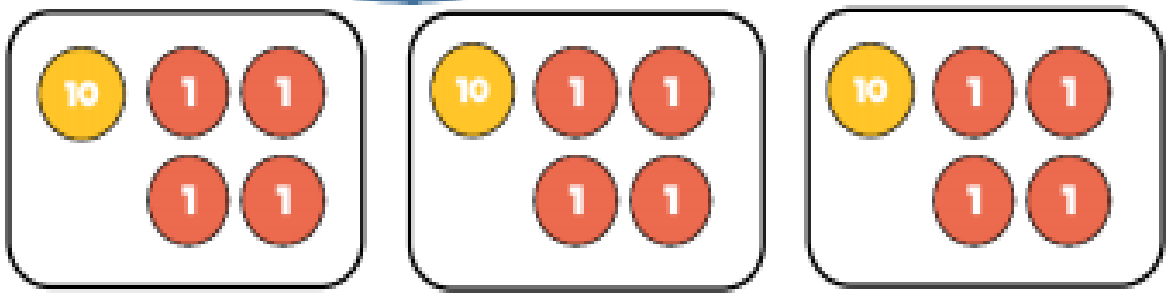
LO To divide 2 digits by 1 digit

Fluency - Here is another example.

Ron uses place value counters to divide 42 into three equal groups.



He shares the tens first and exchanges the remaining ten for ones.



Then he shares the ones.

$42 \div 3 = 14$

Use Ron's method to calculate $48 \div 3$, $52 \div 4$ and $92 \div 8$

LO To divide 2 digits by 1 digit

Work out the following division questions by the same method (drawing counters and sharing into groups).

1) 36 ÷ 3 =

2) 44 ÷ 4 =

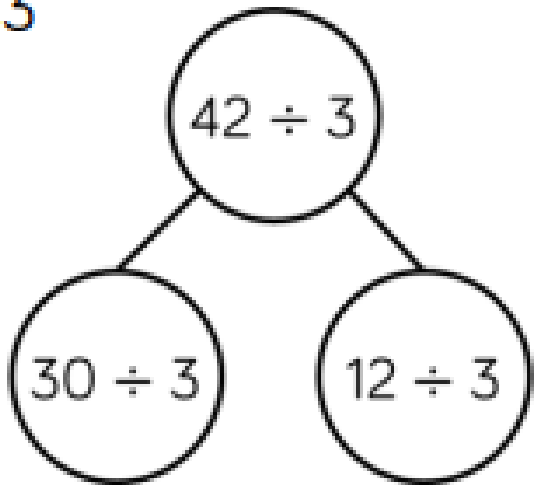
3) 60 ÷ 5 =

4) 42 ÷ 3 =

LO To divide 2 digits by 1 digit

Annie uses a similar method to divide 42 by 3

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



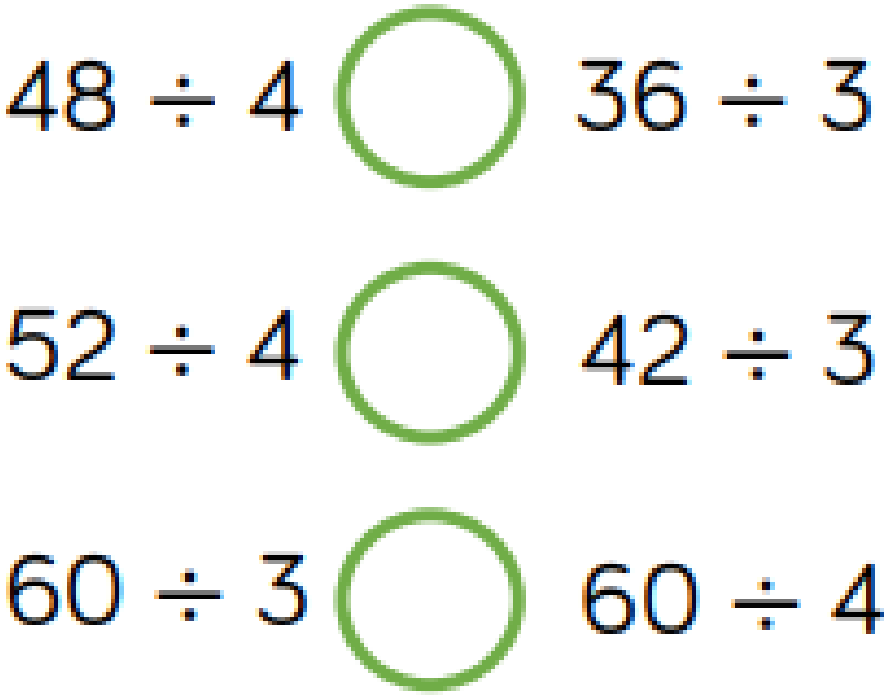
Use Annie's method to calculate:

96 ÷ 8 96 ÷ 4 96 ÷ 3 96 ÷ 6

LO To divide 2 digits by 1 digit

Reasoning

Compare the statements using <, > or =



LO To divide 2 digits by 1 digit

Reasoning - answers

48 ÷ 4 ◯ 36 ÷ 3	=
52 ÷ 4 ◯ 42 ÷ 3	<
60 ÷ 3 ◯ 60 ÷ 4	>

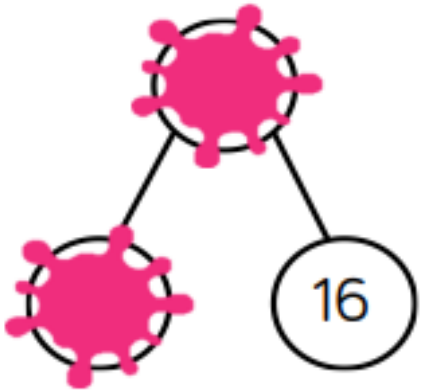
LO To divide 2 digits by 1 digit

Reasoning

Amir partitioned a number to help him divide by 8

Some of his working out has been covered with paint.

What number could Amir have started with?



LO To divide 2 digits by 1 digit

Reasoning - answers

The answer could be 56 or 96