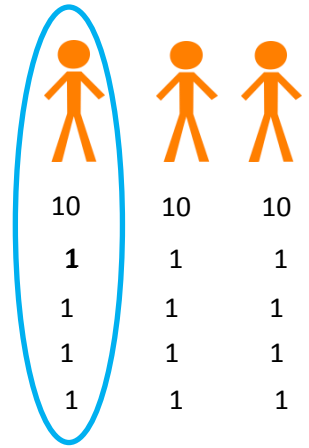## Dividing by a larger number

Example: $42 \div 3 =$

First, draw the correct number of people you are sharing between...
Secondly, share out the tens...
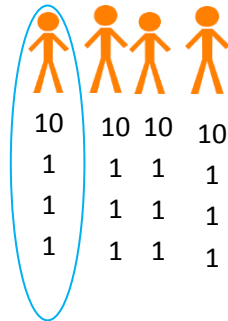Then share out the ones...

Finally, circle one group and count how many to find your answer.
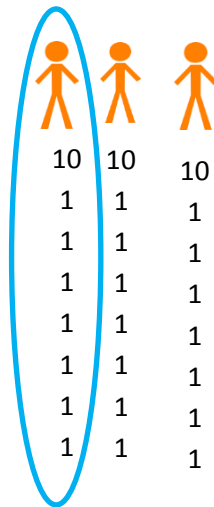All of your groups should be equal. $42 \div 3 = 14$


```
10   10   10
1    1    1
1    1    1
1    1    1
1    1    1
```

1. Use the method above to help you answer these questions:

   a) $52 \div 4 = 13$


```
10   10 10  10
1    1  1   1
1    1  1   1
1    1  1   1
```

   b) $51 \div 3 = 17$


```
10  10   10
1   1    1
1   1    1
1   1    1
1   1    1
1   1    1
1   1    1
1   1    1
```

   c) $38 \div 2 = 19$

   d) $64 \div 4 = 16$

2. Put the answers in ascending order. 12   14   16

$48 \div 3 = 16$	$70 \div 5 = 14$	$96 \div 8 = 12$

Level 1

3. Answer these word problems in your book.

a) Jack has £75 pocket money and he wants to split it between his 5 brothers because he is kind. How much money will they get each? 75 ÷ 5 = 15

b) Vik orders 56 new pencils and shares them between 4 classes. How many pencils will each class have? 56 ÷ 4 = 14

c) Amy has 45 marbles in her bag. She invites two friends to play with her. How many marbles can they each have for it to be fair? 45 ÷ 3 = 15

4. Mr Webster is working out 72 ÷ 3.
   He says the answer is 60.
   What mistake has he made?
   The mistake is he kept counting in tens instead of counting in 10s and 1s. The answer should be 24.

10	10	10
10	10	10
1	1	1
1	1	1
1	1	1
1	1	1
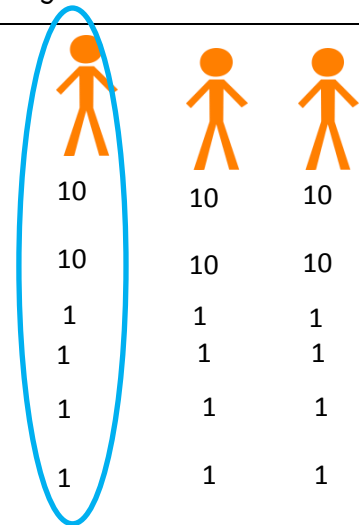
Here are three division questions:

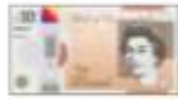|			Level
96 ÷ 8	96 ÷ 4	96 ÷ 2	2

Complete the divisions. What pattern do you notice?

96 ÷ 8 = 12

96 ÷ 4 = 24

96 ÷ 2 = 48

As the number you are dividing by halves 8, 4, 2, the answer gets doubled 12, 24, 48.

Eva has this money.

Level 3

£10   £10   £10   £10   £2   £2

How many people can she share it equally between and how much will they have each?

How many solutions can you find?

£44 shared between 2 people is £22

£44 shared between 22 people is £2

£44 shared between 11 people is £4

£44 shared between 4 people is £11