



18.01.21

IALT: divide 2 digit numbers by 1 digit using formal methods.

$$18 - 6 =$$

$$24 + 6 =$$

$$1800 - 200 =$$

$$5042 - 36 =$$

$$2326 - 34 =$$

$$1435 - 632 =$$

$$3563 - 735 =$$

Challenge:

Partition and Divide:

$$484 \div 4$$



18.01.21

IALT: divide 2 digit numbers by 1 digit using formal methods.

$18 - 6 =$	12
$24 + 6 =$	30
$1800 - 200 =$	1600
$5042 - 36 =$	5006
$2326 - 34 =$	2294
$1435 - 632 =$	803
$3563 - 735 =$	2828

Challenge:

Partition and Divide:

$$484 \div 4 = 121$$

<https://www.topmarks.co.uk/maths-games/daily10>

# Daily Counting

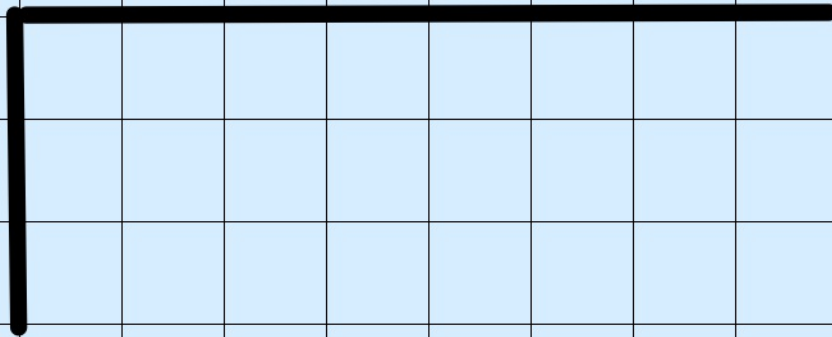
8

6

7



Recap: What is the bus stop method? Is it a formal or informal method? Can you give me an example?



Quotient

Divisor

Dividend

Try and label the different parts...  
(answers are on the next page)

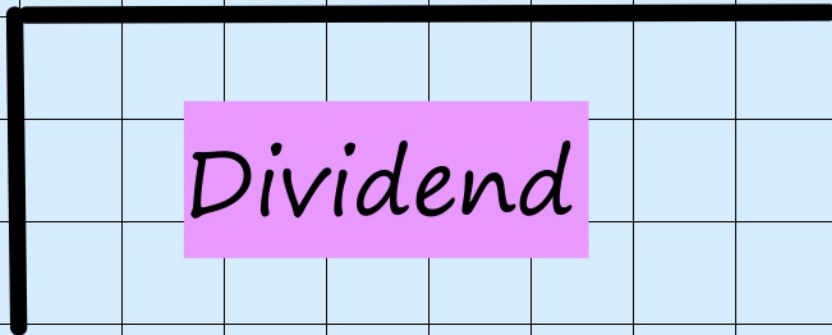
Recap: What is the bus stop method? Is it a formal or informal method? Can you give me an example?

Quotient

Formal method

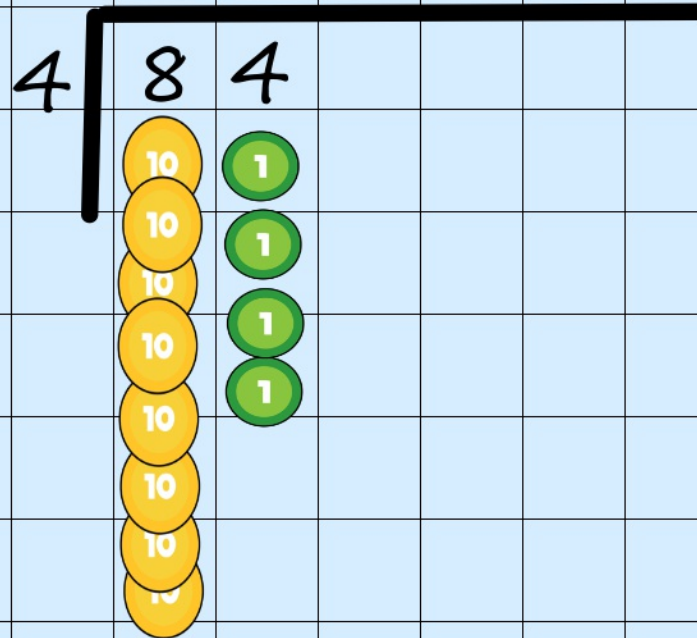
Divisor

Dividend



$$84 \div 4 =$$

First we can build the number:

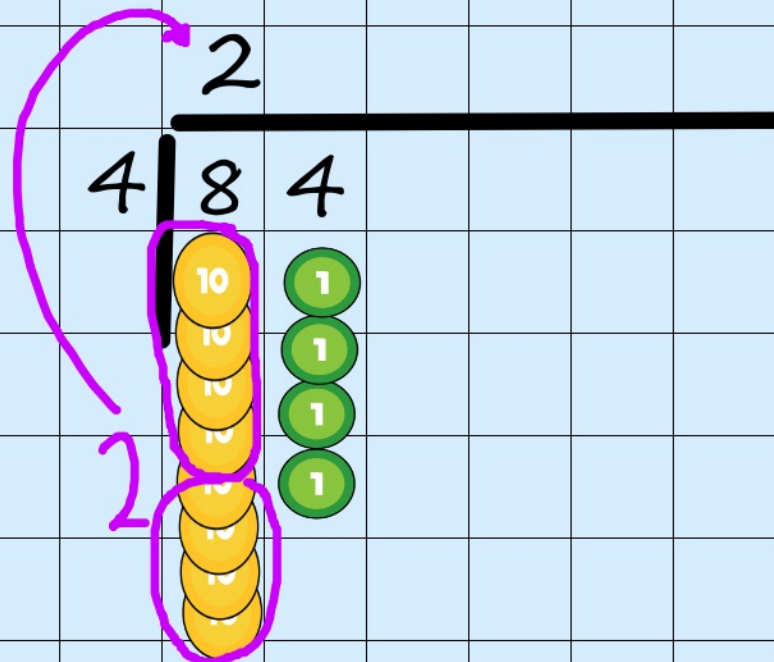




$$84 \div 4 =$$

Next we will group the tens.

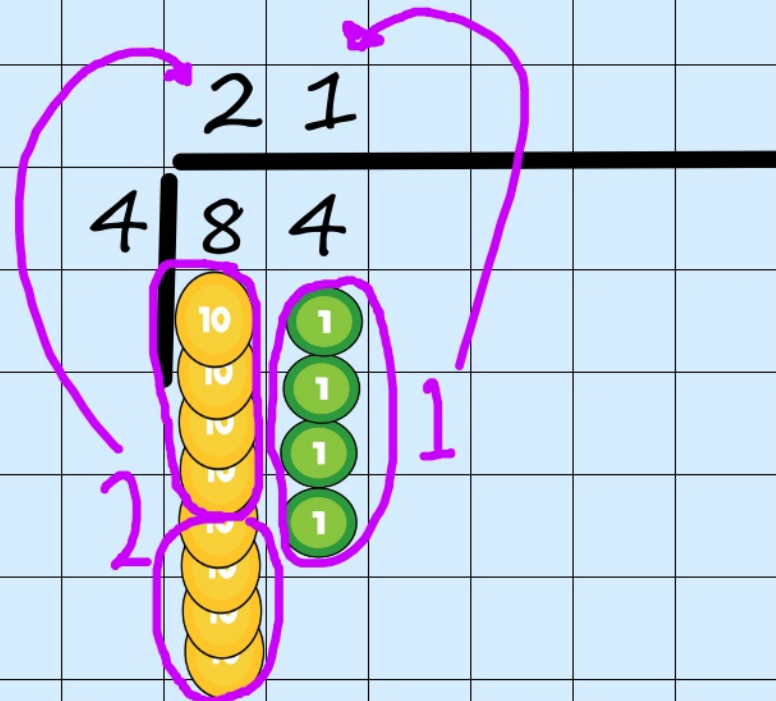
How many times does 4 go into 8?



$$84 \div 4 = 21$$

Next, group 1s.

How many groups can you make?

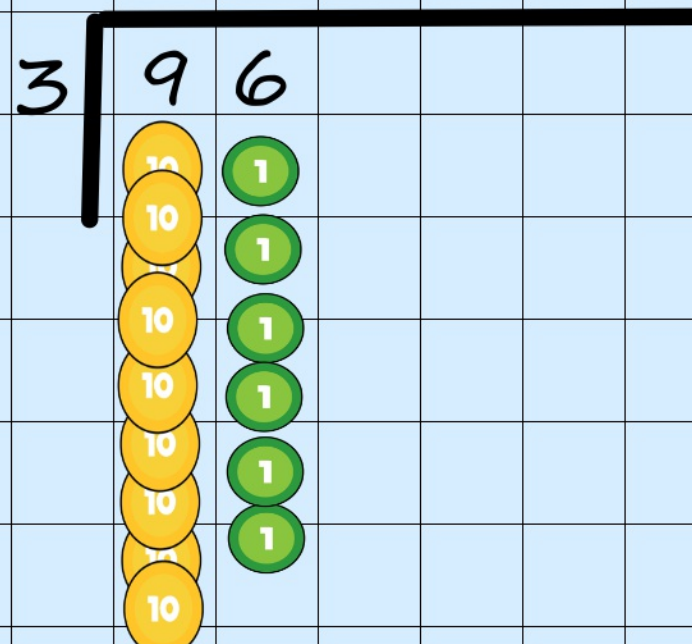




$$96 \div 3 =$$

Lets try another one...

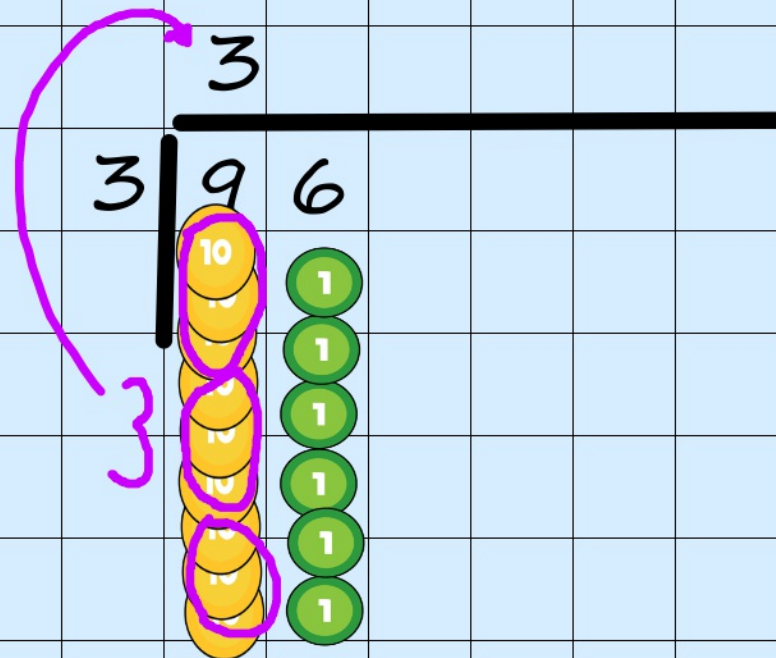
First we can build the number:



$$96 \div 3 =$$

Next we will group the tens.

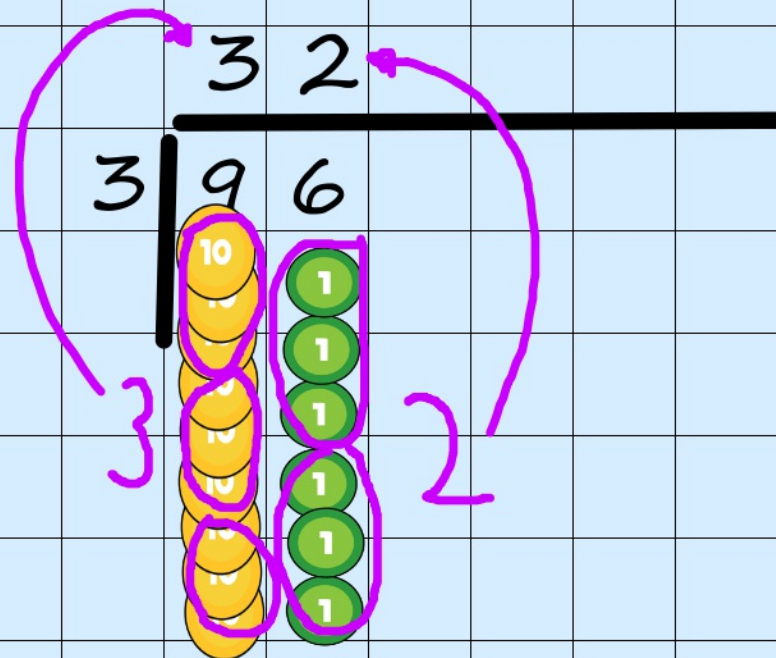
How many times does 3 go into 9?



$$96 \div 3 = 32$$

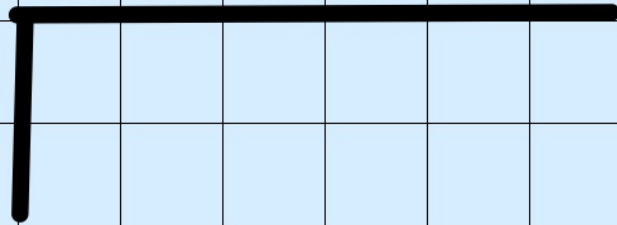
Next, group 1s.

How many groups can you make?



$$66 \div 6 =$$

Try to lay this question out in the formal method below. You can always use place value counters to help you.



$$84 \div 4$$

$$44 \div 2$$

$$39 \div 3$$

$$96 \div 3$$

$$63 \div 3$$

$$48 \div 2$$

$$93 \div 3$$

$$84 \div 4$$

$$68 \div 2$$

$$939 \div 3$$

$$550 \div 5$$

$$484 \div 4$$

ones

tens

hundreds

thousands

Use Inverse to check, using the formal multiplication method.

Answers:

$$84 \div 4 = 21$$

$$44 \div 2 = 22$$

$$39 \div 3 = 13$$

$$96 \div 3 = 32$$

$$63 \div 3 = 21$$

$$48 \div 2 = 24$$

$$93 \div 3 = 31$$

$$84 \div 4 = 21$$

$$68 \div 2 = 34$$

$$939 \div 3 = 313$$

$$550 \div 5 = 110$$

$$484 \div 4 = 121$$

ones

tens

hundreds

thousands

Use Inverse to check, using the formal multiplication method.



Mild:

Spicy:



Dora is calculating  $72 \div 3$

Before she starts, she says the calculation will involve an exchange.

Do you agree?

Explain why.

- 1 a) 3 pieces of pineapple can fit on to each stick.  
How many full sticks can be made?
- b) The grapes are shared equally between 4 sticks.  
How many grapes will be on each stick?



## Answers:

Mild:

### Share

- a) There are 39 pieces of pineapple. Each stick can hold 3 pieces of pineapple.



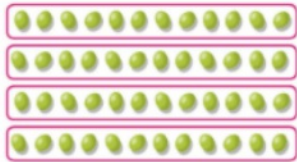
30 pieces of pineapple  $\div 3 = 10$  sticks

9 pieces of pineapple  $\div 3 = 3$  sticks

39 pieces of pineapple  $\div 3 = 13$  sticks

13 full sticks can be made.

- b) 48 grapes are shared equally between 4 sticks.



I did  $48 \div 2 = 24$  and then  $24 \div 2 = 12$ , because I know that dividing by 4 is the same as halving twice.



48 can be split into 4 equal groups.

$$48 \div 4 = 12$$

Each group contains 12 grapes.

There will be 12 grapes on each stick.

Remember that  $4 \div 4 = 1$ ,  
so  $40 \div 4 = 10$ .



Spicy:

Dora is calculating  $72 \div 3$

Before she starts, she says the calculation will involve an exchange.

Do you agree?

Explain why.

Yes, because 3 does not divide equally into 7, so there would be an exchange in the tens column.