

# Division

# Division – revision

Division Revision.

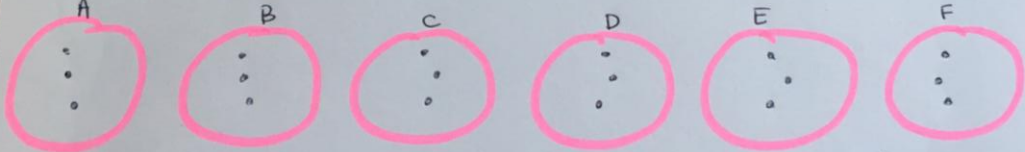
$18 \div 6$  or  $6 \overline{)18}$

You might remember from your tables if not don't worry.

Step 1: How many groups?  $18 \div 6$  so you are going to need 6 groups.

Step 2: Draw 6 circles

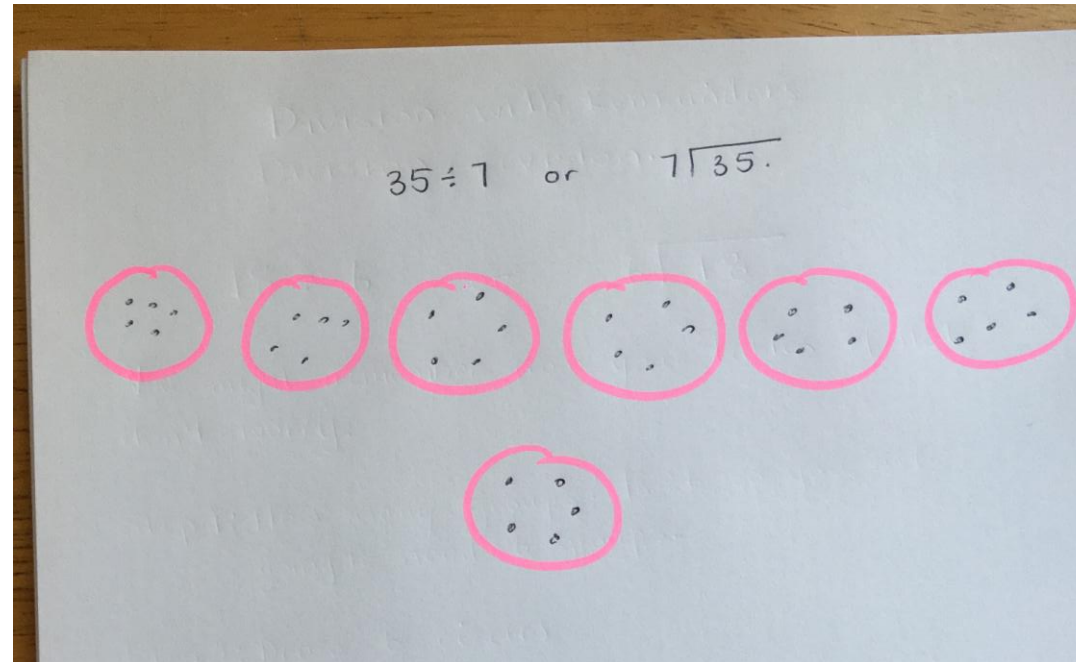
A B C D E F



Step 3: Put a dot into each circle starting with A → F then start at A → F again until you get to 18. (remember one dot at a time)

Step 4: Count how many dots in each circle.

# Division revision



# Division with Big numbers

Dividing bigger Numbers.

$$2 \overline{)32}$$

Step 1:  $2 \overline{)32} \rightarrow 3 \div 2 = 1 \text{ group and } 1 \text{ leftover}$

Step 2:  $2 \overline{)32} \rightarrow 12 \div 2 = 6$

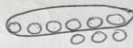
Step 3:  $2 \overline{)32} \begin{array}{r} 16 \\ \hline \end{array}$

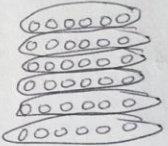
Step 4 = Answer 16.

# Division with big numbers

Dividing Bigger Numbers.

$6 \overline{) 96}$

Step 1:  $6 \overline{) 96}$  →  $6 \overline{) 9}$       $9 \div 6$   
1 group of 6 + 3 left over  


Step 2:  $6 \overline{) 96}$  →  $6 \overline{) 36}$   
1 group of 6  
leftover  


Step 3:  $6 \overline{) 96}$       $16$


Step 4: Answer = 16.




# Division with remainders

Dividing with Remainder.

$3 \overline{)82}$

Step 1  $3 \overline{)82} \rightarrow 3 \overline{)8}$   2 and 2 left over

Step 2  $3 \overline{)82} \xrightarrow{2} 3 \overline{)22}$   7 groups of 3 + one left over.

Step 3  $3 \overline{)82} \xrightarrow{27} 27 \text{ r } 1$

# Division with remainders

## Dividing with Remainders

Once you get used to it

$$8 \overline{) 95}$$

8, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96

1. 96 is too big because the number we need is 95.
2. We pick 88.  
How many times did we count up in 8's to get to 88? 11 times
3. Now we need to find what is left over between 88 and 95.  
Count from 88 to 95 ?? 7.
4. Answer is 11 r 7  

11 remainder 7.