

equal groups

repeated subtraction

skip counting

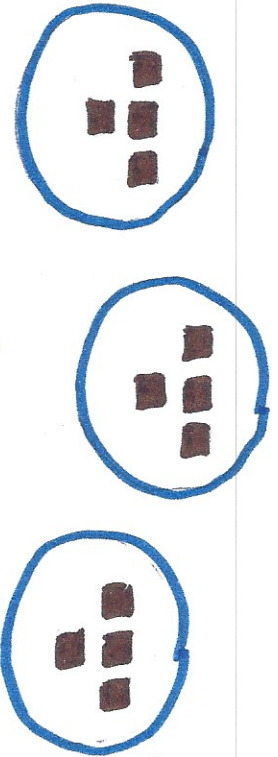
Division Fact

arrays

number line



equal groups



Draw 3 circles.
Put same # in each group (use 12).

repeated subtraction

$$\begin{array}{r}
 12 \\
 -3 \\
 \hline
 9 \text{ ①} \\
 -3 \\
 \hline
 6 \text{ ②} \\
 -3 \\
 \hline
 3 \text{ ③} \\
 -3 \\
 \hline
 0 \text{ ④}
 \end{array}$$

Subtract 3 over & over til you get to 0.

skip counting

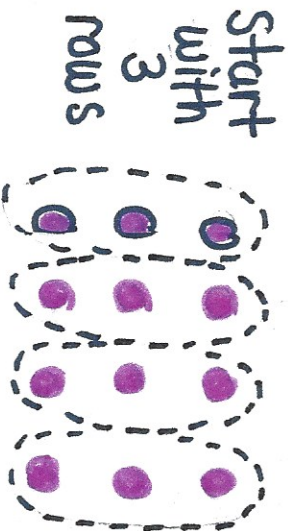
3, 6, 9, 12

Count by 3's until you reach 12.

$$\begin{array}{r}
 12 \div 3 \\
 3 \overline{)12} \\
 \hline
 4
 \end{array}$$

Division Fact

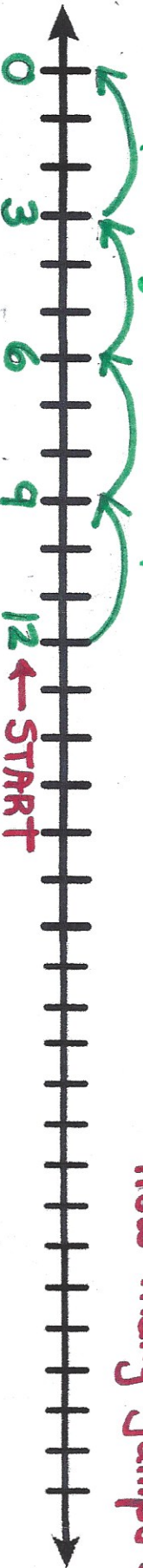
arrays



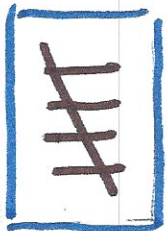
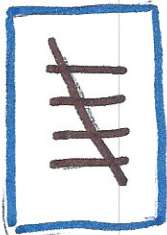
How many columns?

number line

Count back by 3's til you get to 0. How many jumps?



equal groups



Draw 4 groups.

SKIP COUNTING

4, 8, 12, 16, 20

Count by 4's until you reach 20.

repeated subtraction

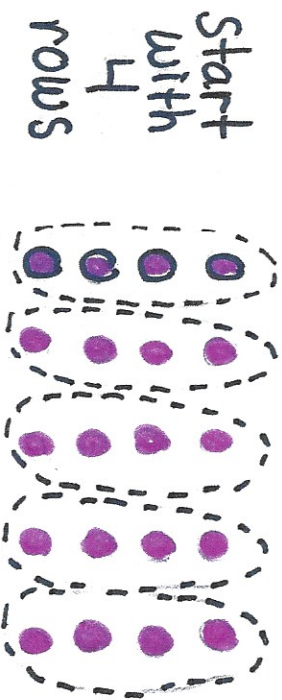
- 20
- $\frac{20}{16}$ ①
- $\frac{16}{12}$ ②
- $\frac{12}{8}$ ③
- $\frac{8}{4}$ ④
- $\frac{4}{0}$ ⑤

Subtract 4 over & over until you reach 0.

ARRAYS

$$20 \div 4 = \frac{20}{4}$$

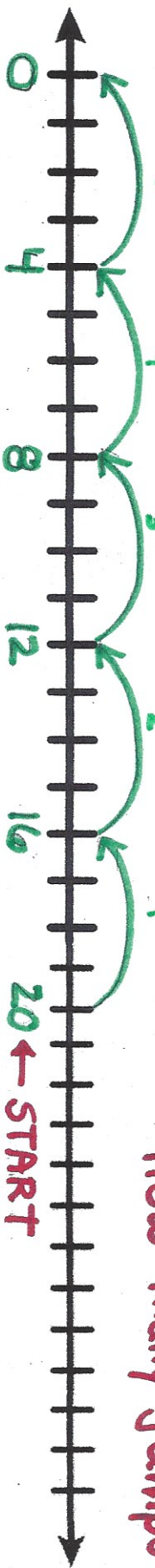
Division Fact



How many columns?

NUMBER LINE

Count back by 4's til you get to 0. How many jumps?



equal GROUPS

repeated addition

SKIP COUNTING

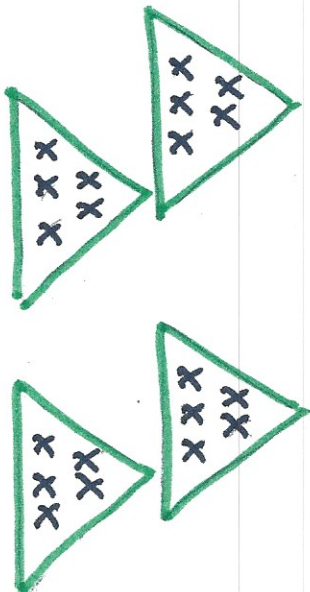
Multiplication Fact

ARRAYS

number line



equal groups



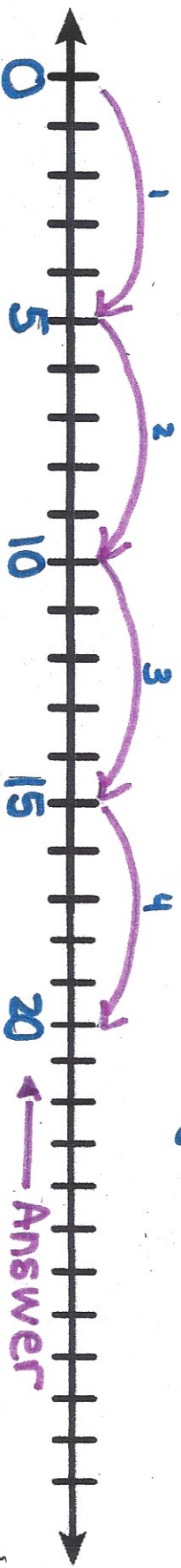
Draw 4 groups of 5.

skip counting

5, 10, 15, 20

Skip count by 5's four times. Answer = last #.

number line start at zero. skip count by 5's four times.



repeated addition

$$5 + 5 + 5 + 5 = 20$$

$$4 \times 5 = 20$$

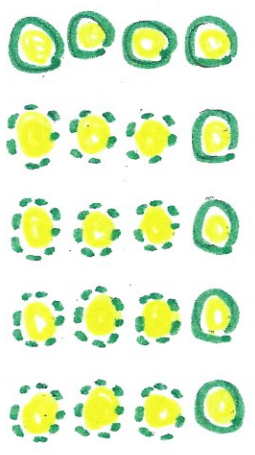
Multiplication Fact

Add 5 four times.

arrays

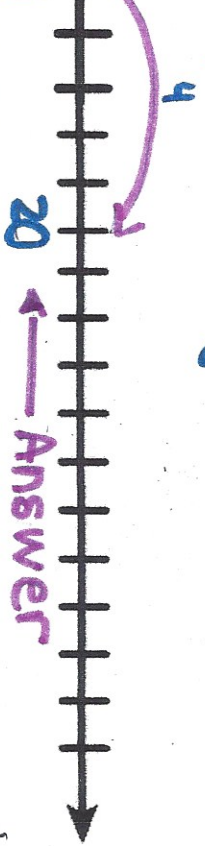
5 columns

4 rows

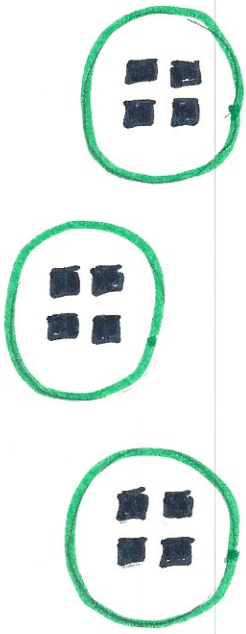


Make 4 rows with 5 in each column. Fill in.

number line start at zero. skip count by 5's four times.



equal groups



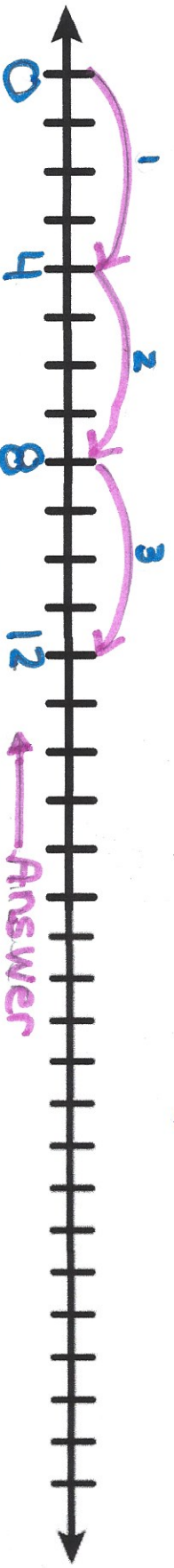
Draw 3 groups of 4

skip counting

4, 8, 12

Skip count by 4's three times. Answer = last #.

number line start at zero. skip count by 4's three times.



repeated addition

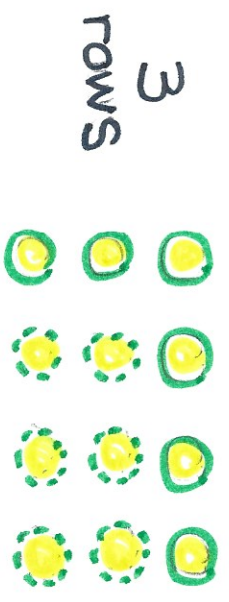
$$4 + 4 + 4 = 12$$

Add 4 three times.

Multiplication Fact
 $3 \times 4 = 12$

arrays

4 columns



Make 3 rows with 4 in each column. Fill in.