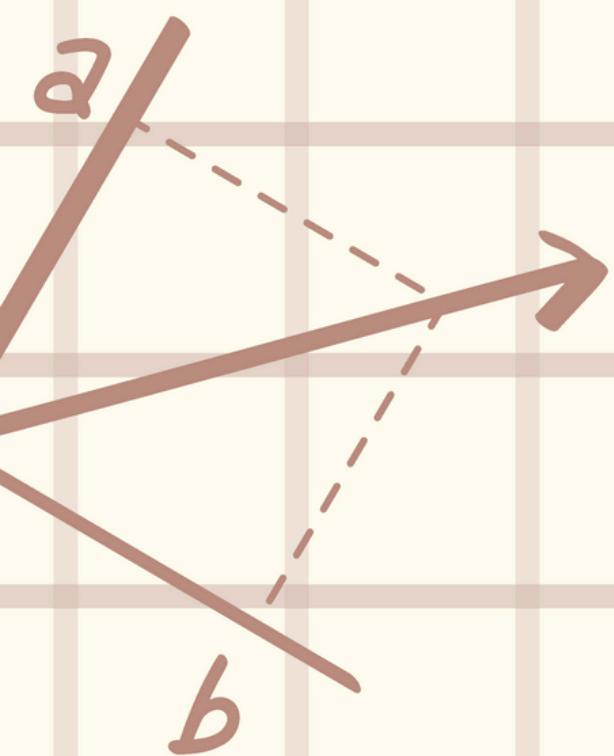
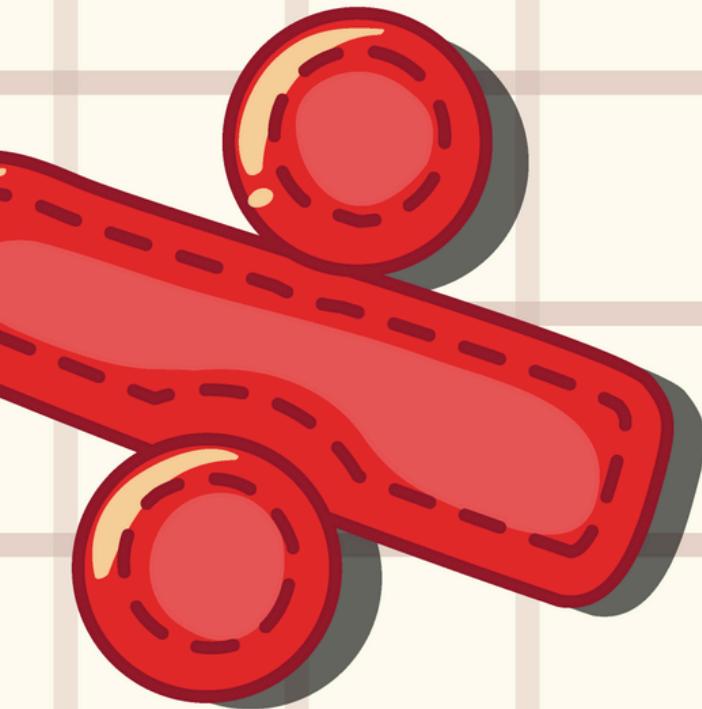


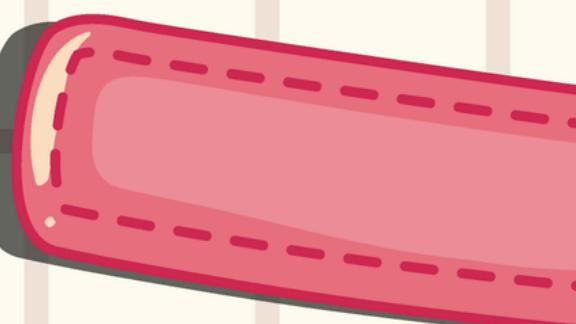
$$) B + \sqrt{B^2 + 4AC + D}$$



$$6 = \frac{c \times 12}{20T}$$

# ALL ABOUT DIVISION

$$f(x) =$$
$$y = x -$$
$$x = y + 1$$



$$axb=c$$

$$35^\circ$$



**I CAN SOLVE DIVISION PROBLEMS  
IN MANY WAYS.**



# VOCABULARY

Dividend - a number to be divided by another number.

Divisor - a number by which another number is to be divided.

Quotient - a result obtained by dividing one quantity by another.

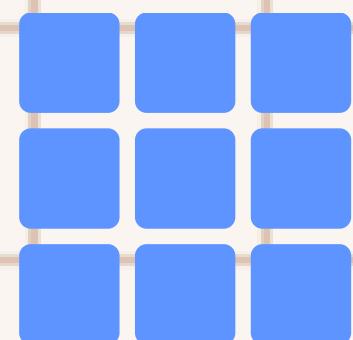
$$12 \div 3 = 4$$

Dividend                          Divisor                          Quotient

The diagram illustrates the components of a division equation. The dividend is 12, the divisor is 3, and the quotient is 4. Arrows point from the labels 'Dividend', 'Divisor', and 'Quotient' to their respective parts in the equation.

# WAYS TO DIVIDE

CREATE AN  
ARRAY



SPLIT INTO  
EQUAL GROUPS



USE A  
NUMBERLINE

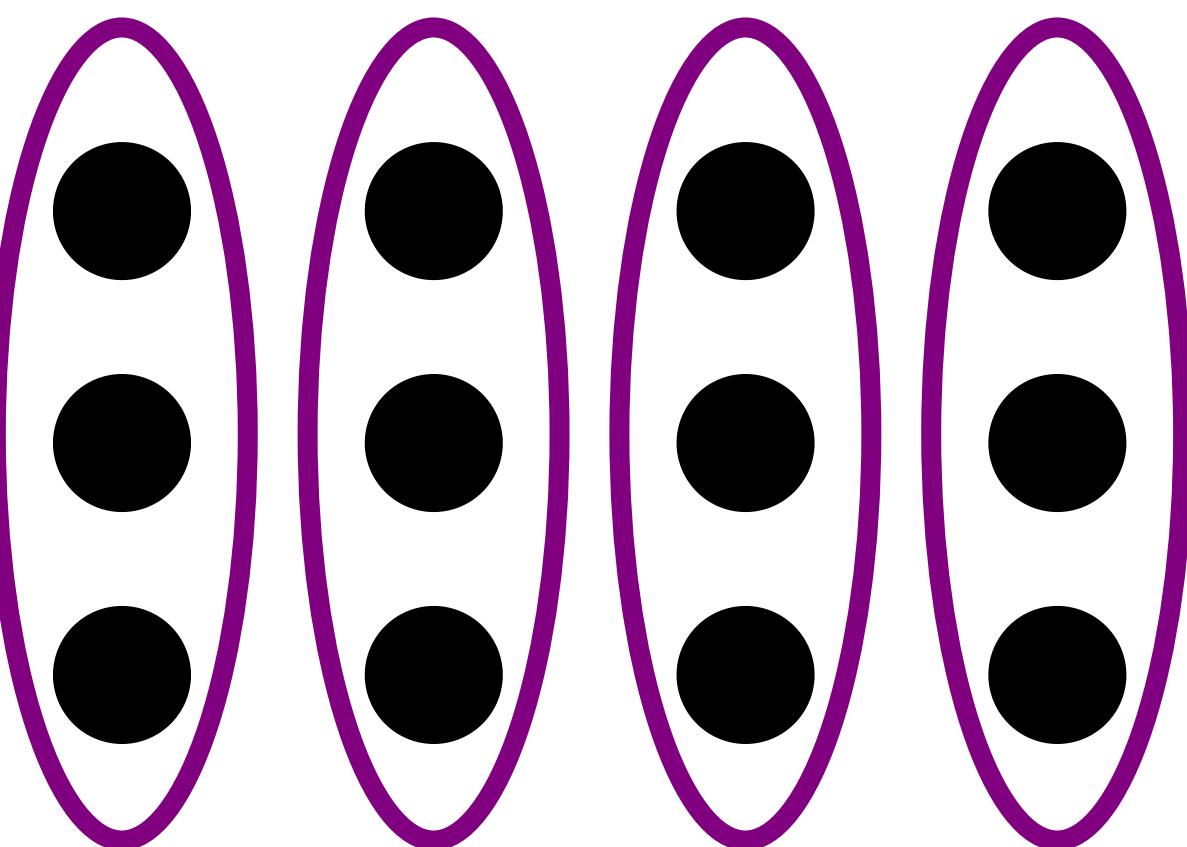


REPEATED  
SUBTRACTION



ARRAY

$$12 \div 3 = 4$$



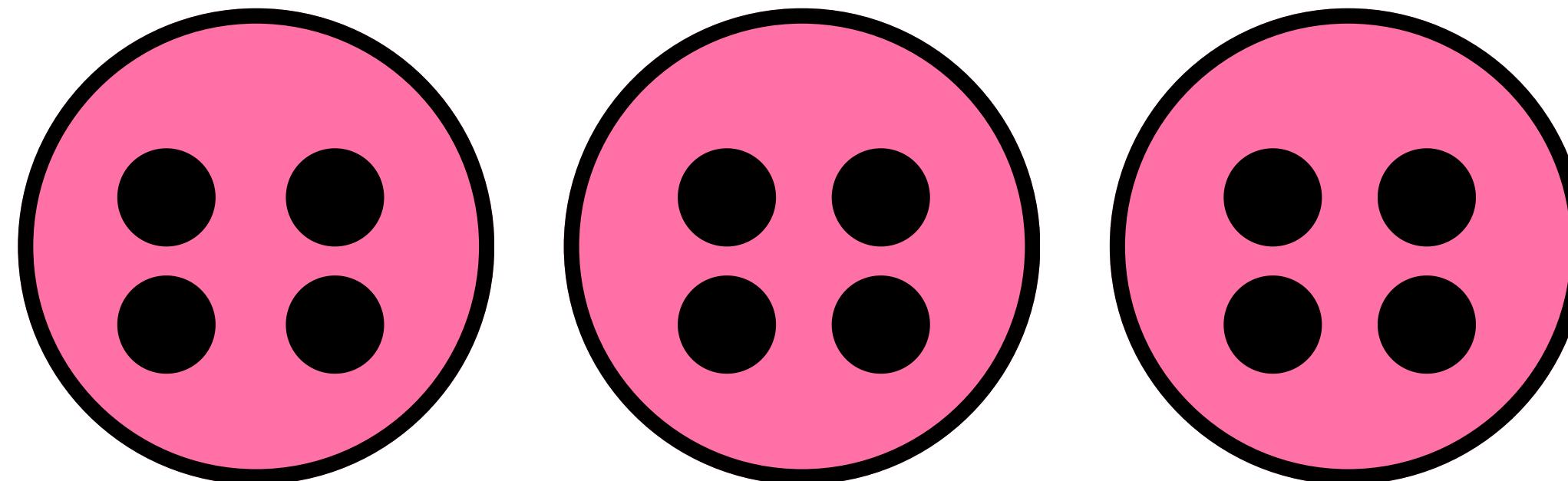
A  
R  
R  
A  
Y

$21 \div 3 =$

P  
R  
A  
C  
T  
I  
C  
E

**Equal Groups**

$$12 \div 3 = 4$$



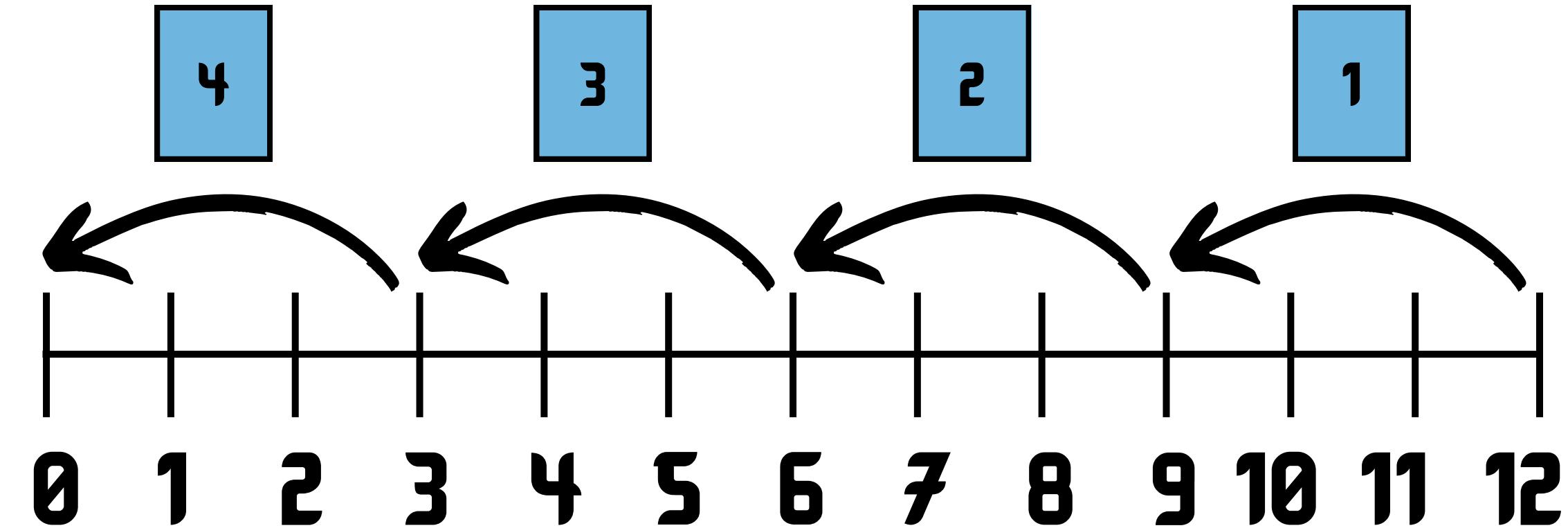
EQUAL GROUPS

$16 \div 4 =$

PRACTICES

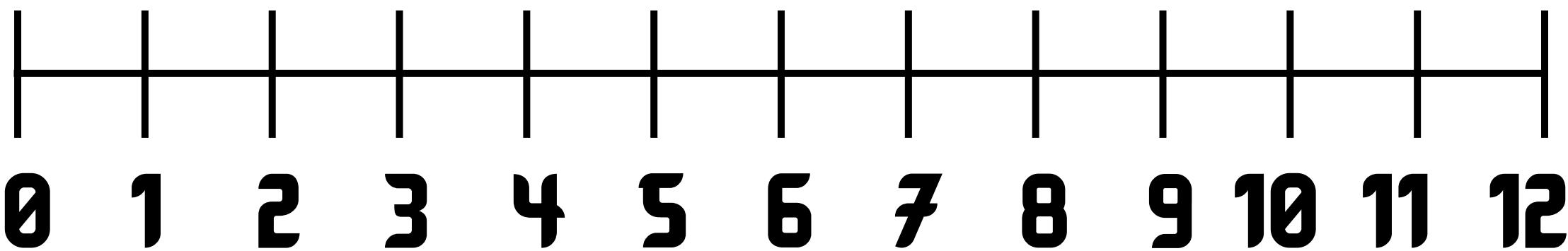
## Number Line

$$12 \div 3 = 4$$



# NUMBER LINE

$10 \div 2$



# PRACTICE

## Repeated Subtraction

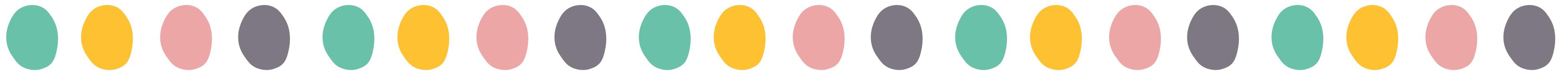
$$12 \div 3 = 4$$

1	2	3	4
12	9	6	3
-3	-3	-3	-3
<hr/>	<hr/>	<hr/>	<hr/>
9	6	3	0

# SUBTRACTION

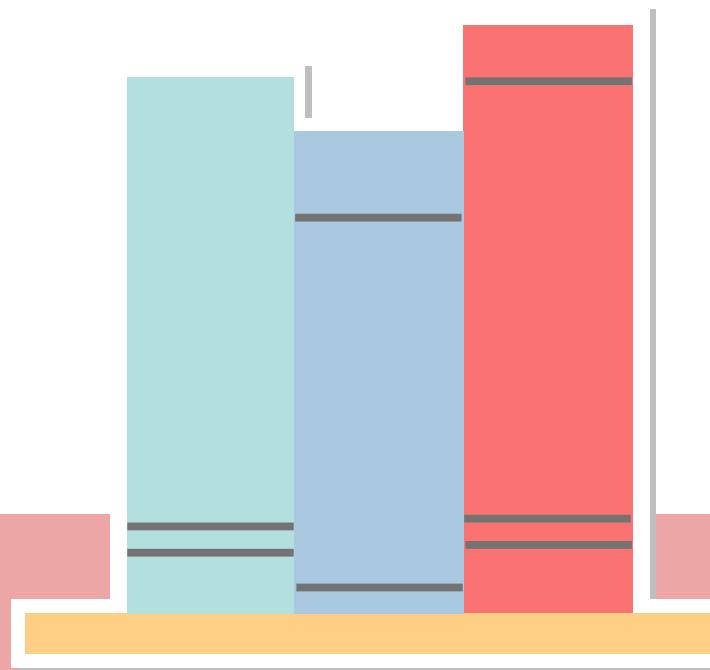
$15 \div 5$

# PRACTICE



# Divisibility

Divisibility means that you can divide a whole number by another whole number evenly or without a remainder.

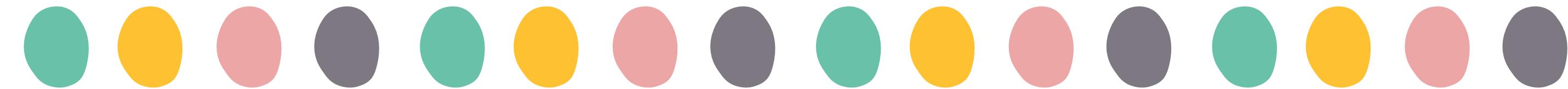
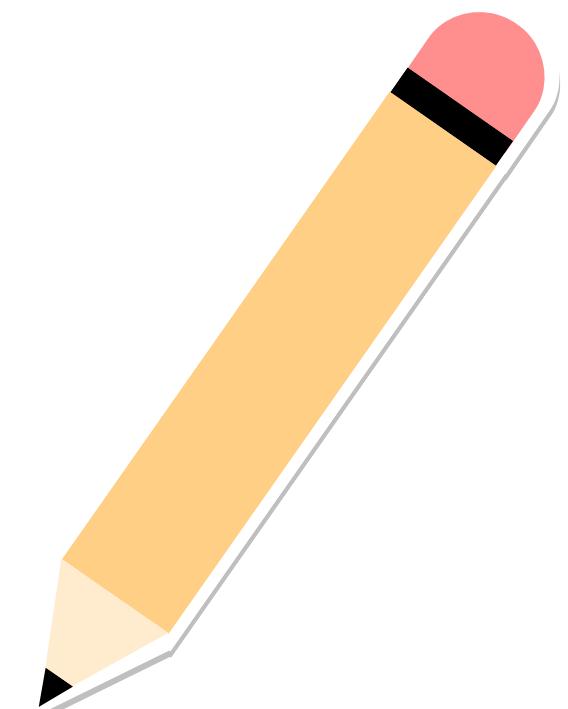




# Divisibility Rules for 2

A number is divisible by 2 if its last digit is 0, 2, 4, 6, or 8. All even numbers are divisible by 2.

45 628

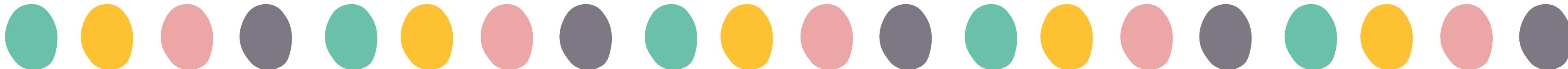




# Divisibility Rules for 3

A number is divisible by 3 if the sum of all the digits is divisible by 3 or a multiple of 3.

$$15\ 324 = 1 + 5 + 3 + 2 + 4 = 15$$



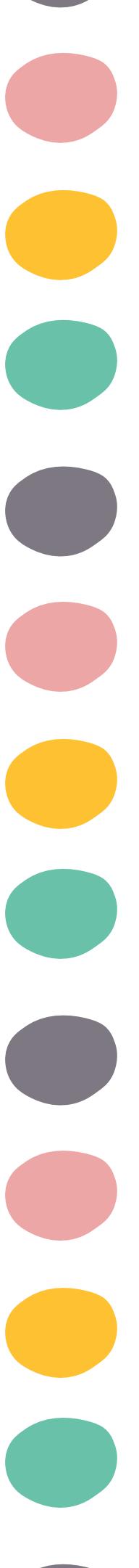


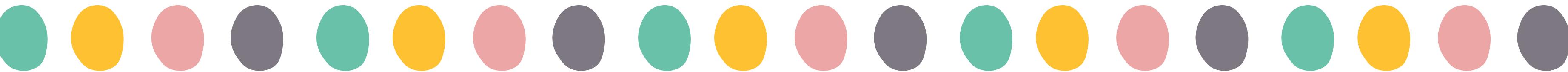
# Divisibility Rules for 5

A number is divisible by 5 if its last digit is 0 or 5.



63 745

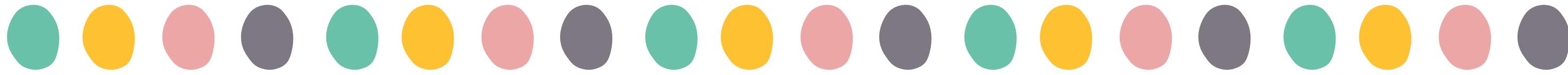




# Divisibility Rules for 6

A number is divisible by 6 if it is divisible by both 2 and 3.

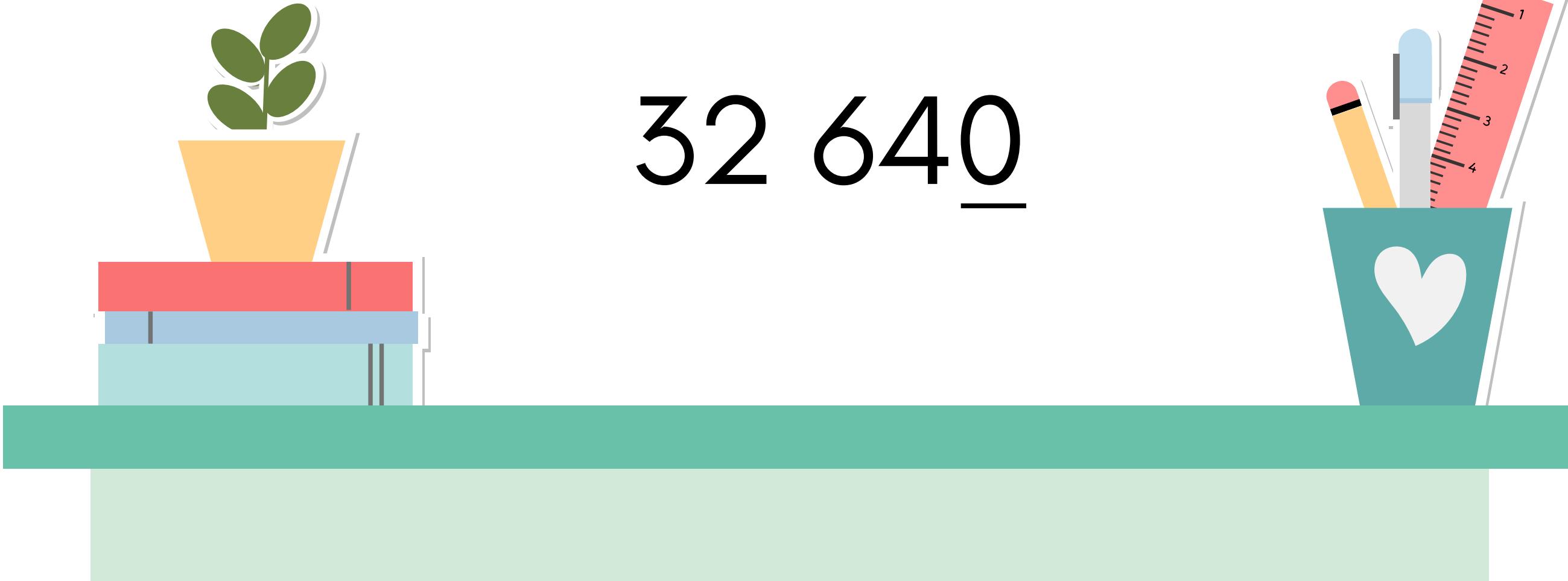




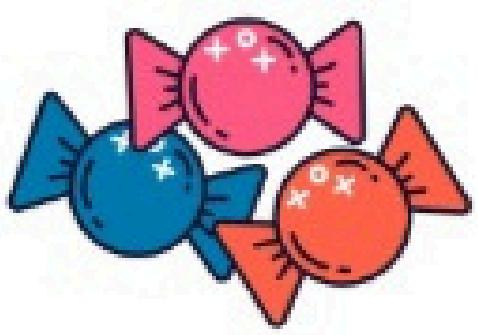
# Divisibility Rules for 10

A number is divisible by 10 if its last digit is 0.

32 640



# Sweet Division



$24 \div 6 =$

$36 \div 9 =$

$81 \div 9 =$

$56 \div 8 =$

$40 \div 5 =$

$72 \div 8 =$

$63 \div 7 =$

$45 \div 5 =$

$28 \div 2 =$

$22 \div 4 =$

$37 \div 6 =$

$29 \div 5 =$

$19 \div 3 =$

$144 \div 12 =$

$132 \div 11 =$

$108 \div 9 =$