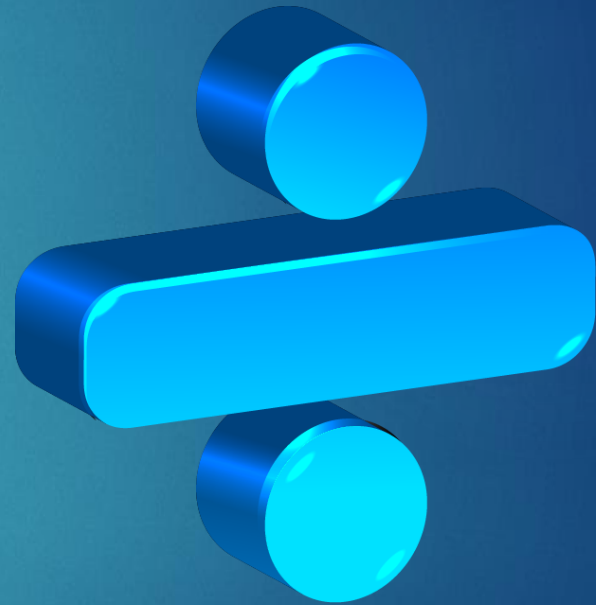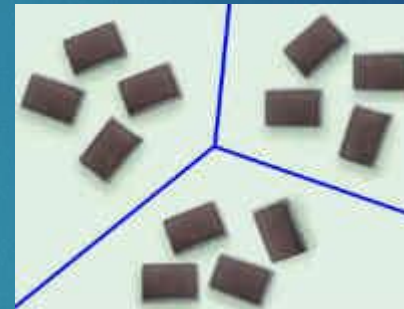# Division

What is ti?

▶ Division is splitting into equal parts or groups an amount.

▶ It is the result of ''fair sharing'' because when you divide you separate into small groups that have the same number of parts or objects.

Example:

There are 12 chocolates, and 3 friends want to share them, how do they divide the chocolates?

12 Chocolates		12 Chocolates Divided by 3

Symbols

When you have to divide, you might find some of these symbols:

÷ or /

Both symbols indicate that you need to divide:

$12 \div 3 = 4$

$12 / 3 = 4$

How do you read divisions?

Using **divided by**.

Example:

25/5: Twenty-five **divided by** five

37 ÷12: Thirty-seven **divided by** twelve

Parts of the division

Divide: $3\overline{)75}$

3 goes into 7
2 times...
with some extra!

Multiply: $3\overline{)75}$ $\quad 2 \times 3 = 6$

with 6 below

Subtract: $3\overline{)75}$ -6 $= 1$

Bring Down: $3\overline{)75}$ -6 15

Long Division:

Divide:
Does

$$3\overline{)76}$$ 2

3 goes into 7
2 times...
(with some extra)

Multiply:
McDonalds

$$3\overline{)76}$$ 2
$$60$$

$2 \times 3 = 6$
$(20 \times 3) = 60$

Subtract:
Serve

$$3\overline{)76}$$ 2
$$-60$$
$$16$$

60 items divided
$76 - 60 = 16$
16 items left to divide

Bring Down:
Burgers

Repeat:

$$3\overline{)76}$$ 25 R1
$$-60$$
$$16$$
$$-15$$

$16 \div 3$
How many 3s in 16?
$5 \times 3 = 15$

Now… Time to practice

$9\overline{)54}$ $\qquad$ $5\overline{)5}$ $\qquad$ $3\overline{)23}$ $\qquad$ $7\overline{)21}$

$5\overline{)32}$ $\qquad$ $8\overline{)54}$ $\qquad$ $2\overline{)12}$ $\qquad$ $8\overline{)16}$

$3 \overline{)244}$ $3 \overline{)280}$ $8 \overline{)500}$ $5 \overline{)433}$

$4 \overline{)125}$ $4 \overline{)206}$ $5 \overline{)139}$ $5 \overline{)201}$

Now, it's your turn
Solve:

$4 \overline{)\ 25}$ $2 \overline{)\ 118}$ $3 \overline{)\ 121}$ $4 \overline{)\ 20}$

$6 \overline{)\ 342}$ $9 \overline{)\ 330}$ $5 \overline{)\ 24}$ $7 \overline{)\ 421}$

$6 \overline{)\ 130}$ $2 \overline{)\ 22}$ $3 \overline{)\ 65}$ $6 \overline{)\ 79}$

$8 \overline{)\ 56}$ $2 \overline{)\ 47}$ $7 \overline{)\ 66}$ $4 \overline{)\ 35}$

$4 \overline{)\ 326}$ $3 \overline{)\ 154}$ $8 \overline{)\ 232}$ $6 \overline{)\ 140}$