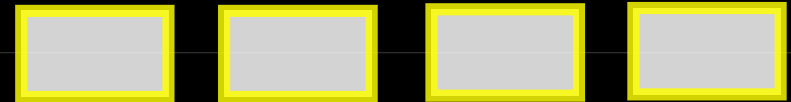
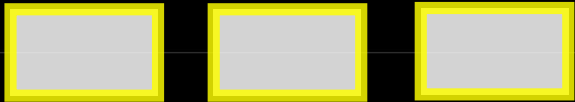


DIVISION

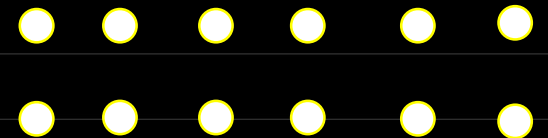
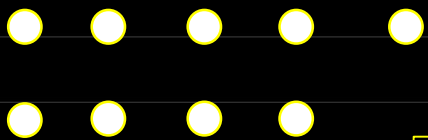
$$9 \div 3$$

$$12 \div 4$$

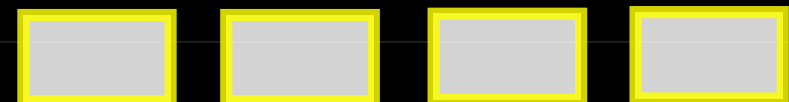
Division as sharing



Division as Grouping



Repeated Subtraction



DIVISION FROM TABLES

Let's play
a game!

HOW MANY CAN WE
FIND IN???

Division from tables drills

DIVISION WITH REMAINDERS

$$13 \div 2$$

$$27 \div 8$$

$$29 \div 5$$

$$47 \div 9$$

DIVISIBILITY RULES

Prime numbers!

2 → A number can be divided by 2 if it ends with an even number or 0

3 → A number can be divided by 3 if the sum of all its digits can be divided by 3

5 → A number can be divided by 5 if it ends with 5 or 0

7 → If the difference between the twice the last digit and the rest of the number is divisible by 7

4 → A number can be divided by 4 if the last two figures are divisible by 4

6 → A number can be divided by 6 if it is divisible by both 2 and 3

8 → A number can be divided by 8 if its last three figures are divisible by 8

9 → A number is divisible by 9 if the sum of its digits is divisible by 9

DIVISIBILITY RULES

1. Determine if the number **1,236** is divisible by 2, 3 *and* 4. State your reasons
2. How can you tell that **3,180** can be divided by 5 *and* 6?
3. Find out if **490** is divisible by 2, 5 *and* 7. Explain why for each?
4. Determine if **1,032** is divisible by 2, 3, 6 *and* 8. What are your reasons?
5. Can **558** be divided by 2, 3 *and* 9? Why?
6. There are **271,930** children to be sorted into groups. Decide if they can be shared evenly into
 - 3 groups
 - 2 groups
 - 5 groups
 - 9 groups
 - 7 groups
7. Create a 5 digit number divisible by 2, 4 *and* 9. Is this number divisible by 6?

DIVISION WITHOUT REGROUPING

DIVIDE EACH
DIGIT

$$36 \div 3$$

$$555 \div 5$$

$$6802 \div 2$$

$$272 \div 16$$

$$6288 \div 24$$

DIVISION WITH REGROUPING

TRANSFER
REMAINDERS

$$94 \div 2$$

$$318 \div 3$$

$$322 \div 2$$

$$6525 \div 5$$

DIVISION WITH REGROUPING

$$\begin{array}{r} 480 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 1928 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 21.96 \\ \hline 1.2 \end{array}$$

$$\begin{array}{r} 5740 \\ \hline 140 \end{array}$$

DIVISION

1. Divide 25 by 4
2. What is the quotient of 2426 and 6
3. How many times can 4824 be divided by 9
4. If 7841 books were to be arranged in two boxes, how many books will be in each box. Is there a remainder?
5. How many times can 828 be arranged into 9 different boxes?
6. Share 693 apples between 9 friends.
7. A bowl holds 7 apples, how many bowls would Sarah need for 1491 apples.
8. If 396 pieces of candy are shared in a class and everyone gets 18 pieces of candy, how many pupils are there in the class?
9. Divide 315 by 15
10. How much will each person get if \$47,975 was shared amongst Ali, Taiye and Kehinde?

DIVIDING WITH REMAINDERS

Express the quotient and remainder

$$\begin{array}{r} 63 \\ 2 \end{array}$$

$$\begin{array}{r} 72 \\ 5 \end{array}$$

$$\begin{array}{r} 238 \\ 4 \end{array}$$

$$\begin{array}{r} 2941 \\ 8 \end{array}$$

Express as a fraction

$$\frac{63}{2}$$

$$\frac{72}{5}$$

$$\frac{238}{4}$$

$$\frac{2941}{8}$$

Express your answer as a decimal

$$\frac{63}{2}$$

$$\frac{72}{5}$$

$$\frac{238}{4}$$

$$\frac{2941}{8}$$

DIVIDING DECIMALS

$$\begin{array}{r} 0.4 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 0.42 \\ \hline 0.4 \end{array}$$

$$\begin{array}{r} 0.25 \\ \hline 0.005 \end{array}$$

DIVIDING BY MULTIPLES OF 10

Dividing by 10

Move the decimal point
one place to the left

Dividing by 100

Move the decimal point
two places to the left

$$44.4 \div 10 \quad 3.05 \div 10 \quad 128.2 \div 100 \quad 0.2 \div 100$$

$$618.73 \div 10 \quad 2.3 \div 10 \quad 59.628 \div 100$$

What would dividing by 10,000 mean?

DIVIDING BY MULTIPLES OF 10

$$2973 \div 40$$


$$297.3 \div 4$$

$$2968 \div 800$$


$$29.68 \div 8$$

$$59.628 \div 400$$


$$0.59628 \div 4$$

$$8694.3381 \div 3000$$


$$8.6943381 \div 3$$

DIVISION

1. Divide **20** by **0.5**
2. Divide **0.4562** by **0.02**
3. What is the quotient of **0.2961** and **3**
4. A piece of wood is **0.2314** m long, if it is divided into **9** parts. How long will each piece be?
5. How many **0.3** can be found in **960**?
6. If a box carries **10** glasses, how many boxes would be needed to store **6720** glasses.
7. Stacey has **750** thousand naira in **500** naira notes, how many naira notes does she have?
8. **2568** apples are stored in **20** crates, how many apples are in each crate?
9. How many six hundreds are in **9,567,258.660**
10. Divide **4369.122** by **30**

DIVISION (Algebra)

$$\frac{52ab}{4ab}$$

$$\frac{27ab}{3a}$$

$$\frac{360jkl}{12jl}$$

$$\frac{4k^2}{2k}$$

DIVISION (Algebra)

$$\frac{a^2bcd^2}{acd}$$

$$\frac{196abc^2}{14ac}$$

$$\frac{666a^2bc^2}{18a^2bc}$$

$$\frac{36x^3y^2}{60x^2yz}$$

DIVISION (Algebra)

YOUR turn! 😊

1.
$$\frac{14xy}{2x}$$

2.
$$\frac{480lm}{12lm}$$

3.
$$\frac{64c^2d}{4cd}$$

4.
$$\frac{k^2lm^2n}{kln}$$

5.
$$\frac{2691x^2yz}{3xz}$$

6.
$$\frac{840e^2f^3}{21e^2f}$$

7.
$$\frac{144acd}{189ab^2c}$$

8.
$$\frac{49kml^2}{kl}$$

DIVISION (Order of Operations)

$$3 + 8 \div 2 - 5$$

$$2 + 17 - 3 \div 7 + 3$$

$$1 + 3 \times 7 + 27 \div 3 + 14$$

$$9 + 4^2 \div 8 - 4$$

DIVISION (Order of Operations)

$$4 + (15 \div 3) + (3 \times 7)$$

$$81 \div (21 - 18)^2 + 5$$

DIVISION

1. $19 + 6 - 12 \div 3 + 8$
2. $(18 \div 3) + (144 \div 12)$
3. $9 + (12 \div 4)^2 + 6 \times 3$
4. $(27 \div 3) + 4 \times 6 \div 2 - 7$
5. $2 \div 1 + 6 \div 3 + 4^2 - 8 \div 4 + 3$
6. A box of chocolate containing **208** pieces, is shared between **16** people. How much will each person get?

BOSS level! 😊

6.
$$\frac{50.4}{3.6}$$

7. Divide **21346.2972** by **200**

8. **2941** $\div$ **8**

Express your answer as a fraction and also as a decimal.

10.
$$\frac{72xy^2z}{24yz}$$