

ello!

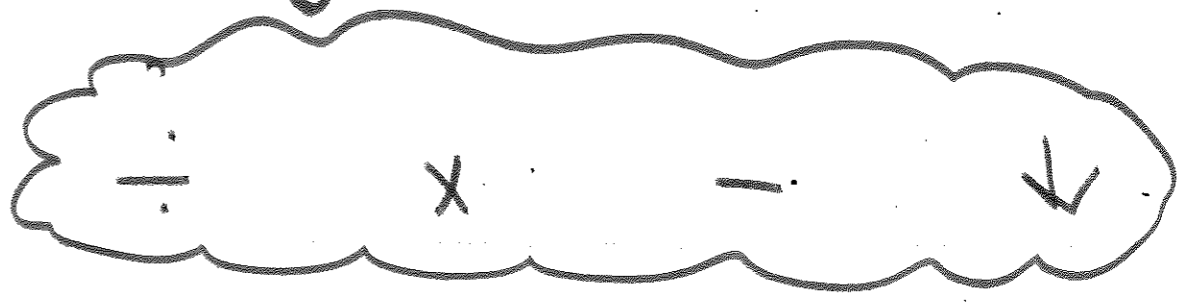
e this book helps to break down school methods!

left a couple of questions for you to do at home.

questions - let me know!

with a remainder!

Long Division - Miss Jones.



$$\boxed{43 \div 5}$$

Step 1. Divide

$$5 \overline{) 43} \begin{array}{r} 8 \\ \hline \end{array}$$

how many times does 5 go into 43?

Step 2. Multiply

$$\begin{array}{r} \times \\ 5 \overline{) 43} \\ 40 \\ \hline \end{array}$$

what is 5 x 8?

Step 3. Subtract

$$\begin{array}{r} 8 \text{ r } 3 \\ 5 \overline{) 43} \\ - 40 \\ \hline 03 \end{array}$$

there are no more numbers to



ello!

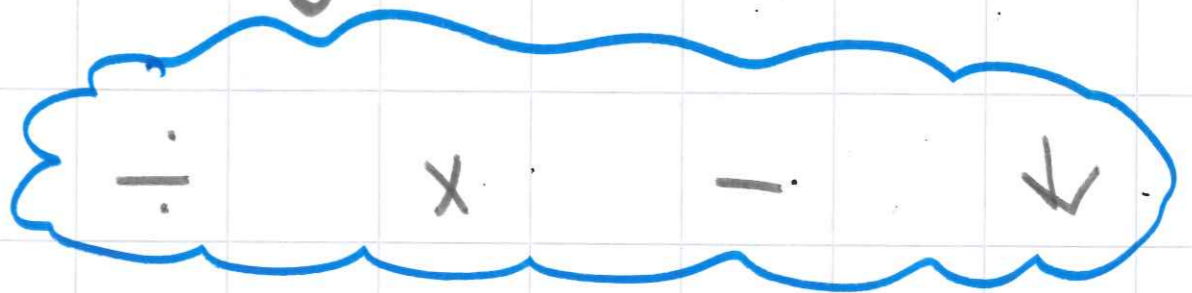
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$$\boxed{43 \div 5}$$

Step 1 - Divide

$$\begin{array}{r} 8 \\ 5 \overline{) 43} \end{array}$$

how many times does 5 go into 43?

Step 2 - Multiply

$$\begin{array}{r} \times 8 \\ 5 \overline{) 43} \\ \underline{40} \end{array}$$

what is 5 x 8?

Step 3 - Subtract

$$\begin{array}{r} 8 \text{ r } 3 \\ 5 \overline{) 43} \\ \underline{- 40} \\ 03 \end{array}$$

there are no more numbers to



Long division

÷ × - ↓

384 ÷ 12

- 1 2
- 2 4
- 3 6
- 4 8
- 6 0
- 7 2
- 8 4
- 9 6
- 10 8
- 12 0

1) Divide 12 $\overline{) 384}$ 12 goes into 38 ... 3 times

2) Multiply $\begin{array}{r} \times \\ 12 \end{array} \overline{) 384} = 36$ 12 × 3 = 36

3) Subtract $\begin{array}{r} 3 \\ 12 \overline{) 384} \\ - 36 \\ \hline 02 \end{array}$

5) $\begin{array}{r} \times \\ 12 \overline{) 384} \\ 36 \downarrow \\ \hline 024 \\ 24 \\ \hline 00 \end{array}$

4) Bring it on down, bring it on back $\begin{array}{r} 3 \\ 12 \overline{) 384} \\ - 36 \downarrow \\ \hline 02 \end{array}$

5) Now start

full working out

$$\begin{array}{r}
 32 \\
 \hline
 384 \\
 36 \downarrow \\
 \hline
 024 \\
 - 24 \\
 \hline
 00
 \end{array}$$

turn = ÷ × - ↓

$$\begin{array}{r}
 648 \div 12
 \end{array}$$

Long multiplication.

Multiply **Z**ero **M**ultiply **A**dd

$$\begin{array}{r}
 \text{Tens Ones} \\
 1) \quad 53 \\
 \times 26 \\
 \hline
 318
 \end{array}$$

(53 × 6)

1) Multiply the bottom ones (6) by the top numbers

$$\begin{array}{r}
 2) \quad 53 \\
 \times 26 \\
 \hline
 318 \\
 1060
 \end{array}$$

(53 × 20)

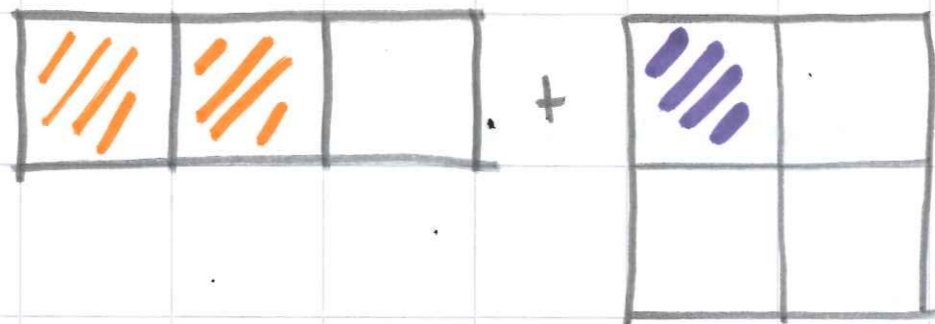
2) Add 0 to show we are in tens column

$$\begin{array}{r}
 3) \quad 53 \\
 \times 26 \\
 \hline
 318 \\
 1060 \\
 \hline
 1398
 \end{array}$$

3) ADD!

Adding fractions with different denominators

$$\frac{2}{3} + \frac{1}{4} =$$



1) Find lowest common denominator
(what number is in the 3 + 4 times table?)

3, 6, 9, 12, 15, 18

4, 8, 12, 16, 20, 24

2) Convert both fractions so they have the same denominator.

$$\frac{2}{3} + \frac{1}{4} = \frac{8}{12} + \frac{3}{12}$$

The diagram shows the conversion of the fractions. A pink arrow labeled 'x 4' points from the denominator 3 of the first fraction to the denominator 12 of the first fraction in the second equation. Another pink arrow labeled 'x 4' points from the denominator 4 of the second fraction to the denominator 12 of the second fraction in the second equation. An orange arrow labeled 'x 3' points from the denominator 4 of the second fraction to the denominator 12 of the first fraction in the second equation. Another orange arrow labeled 'x 3' points from the denominator 3 of the first fraction to the denominator 12 of the second fraction in the second equation.

3) $\frac{8}{12} + \frac{3}{12} = \frac{11}{12}$

turn.

$$\frac{2}{3} + \frac{1}{3} =$$



$$\frac{2}{3} + \frac{1}{3} =$$

$$\frac{2}{3} - \frac{8}{15} =$$

Multiply fractions

$$\frac{2}{4} \times \frac{3}{6}$$

1) Multiply numerators together & multiply denominators

$$\frac{2}{4} \times \frac{3}{6} = \frac{6}{24}$$

2) Simplify if possible:

$$\frac{6}{24} = \frac{1}{4}$$