



Fractions [made up of a **cardinal** number (1, 2, 3, etc.) followed by an **ordinal** number, usually in the plural (thirds, fifths, sixths, etc.)]

→ $\frac{1}{2}$ = a half (pl. *halves*)

→ $\frac{1}{3}$ = a third; one third

→ $\frac{1}{4}$ = a quarter; one quarter

→ $\frac{3}{8}$ = three-eighths, $\frac{4}{9}$ = four-ninths, $\frac{9}{13}$ = nine-thirteenths

→ $1\frac{5}{15}$ = fifteen and three-fifths (= a **mixed numeral**)

→ A fraction has two numbers: The top number is the **numerator**; it is the number of parts you have. The bottom number is the **denominator**; it is the number of parts the whole is divided into.

Decimals (with a decimal point):

→ .5 or 0.5 = (zero) **point** five or nought **point** five (use the word *point* and not the word *comma*)

→ .75 or 0.75 = (zero) **point** seven five or nought **point** seven five (*nought* is mainly Br. En.)

→ 22.22 = twenty-two **point** two two

Practice

Activity 1: Here are some calculations made on a (traditional) blackboard by a teacher. The teacher explains the process step by step to the students. Complete gaps (a) to (g):

$$\begin{array}{r} 84 \\ +43 \\ \hline 127 \end{array}$$

$$\begin{array}{r} 315:7 \\ =45 \end{array}$$

$$\begin{array}{r} 597 \\ \times 7 \\ \hline 4179 \end{array}$$

$$\begin{array}{r} 233 \\ -62 \\ \hline 171 \end{array}$$

ADDITION Let's see how to do them! processes of arithmetic. division are the four basic multiplication and addition, subtraction, and then the tens . First (a) _____ the ones	DIVISION The digit in the column furthest to the left is 3 and the division can't be done. So, take the first two digits and (b) _____ 31 by 7, which (c) _____ 4, with a remainder of 3. Carry the column to make 35.	MULTIPLICATION First (d) _____ 7 ones by 7. Then (e) _____ 9 tens by seven and finally (f) _____ 5 hundreds by 7.	SUBTRACTION First (g) _____ the ones , then the tens and then the hundreds .
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Activity 2: Solve the following problems or answer the questions. (Well, they are for primary school kids, but just pay attention to the phrasing and the vocabulary):

1. Our family has 3 dogs, Azor, Oscar and Kaltza. Azor weighs 23 kilos, Oscar weighs 31, and Kaltza 18. What is the combined weight of the three dogs?
2. Martha worked 28 problems. Phil worked 6. How many more problems did Martha work?
3. There are 55 books to be packed. Six books can be packed in each box. How many boxes are needed?
4. Find the **least common multiple** (LCM) of 3 and 9.
5. Find the **least common denominator** of $\frac{1}{2}$ and $\frac{1}{3}$.
6. Name an even number, an odd number and a prime number.
7. Read out the following equation: $2x+3y-z = \frac{3z}{4x}$

Activity 3: The 4th column in the Table on the previous page contains some expressions / operations / calculations. How can they be read out?