Worksheet 1

The jumps of this frog are ¼ of metre long. How many metres does it do with 9 jumps? with 15 jumps? How many jumps does it need to do 1 m? 2 m?

Worksheet2

DECOMPOSING FRACTIONS

Ex. 1 True or false?

Among these equalities circle those that are true and put a line through those that are false.

$\frac{7}{2} = 3 + \frac{1}{2}$ $\frac{8}{3} = 2 + \frac{1}{3}$ $\frac{11}{4} = 2 + \frac{3}{4}$ $\frac{11}{8} = 3 + \frac{1}{8}$ $\frac{13}{5} = 2 + \frac{3}{5}$

$\frac{23}{10} = 2 + \frac{3}{10}$ $\frac{87}{10} = 7 + \frac{8}{10}$ $\frac{137}{10} = 10 + \frac{7}{10}$ $\frac{237}{100} = 2 + \frac{37}{100}$

Check your answers using the button $\mathrm{F} \rightarrow \mathrm{A}\frac{\mathrm{b}}{\mathrm{c}}$ of your calculator.

Example. To know if $\frac{3}{2} = 1 + \frac{1}{2}$ type $3\frac{\mathrm{n}}{\mathrm{d}}\ 2 =\ \mathrm{F} \rightarrow \mathrm{A}\frac{\mathrm{b}}{\mathrm{c}}$

The answer $1 + \frac{1}{2}$ is displayed. Thus the equality is true.

Ex.2 Finding the good decomposition

Decompose each of these fractions as the sum of an integer number and a fraction smaller than 1.

$\frac{5}{2} =$ ..... $+ \frac{\cdots}{\cdots}$ $\frac{11}{2} =$ ..... $+ \frac{\cdots}{\cdots}$ $\frac{5}{4} =$ ..... $+ \frac{\cdots}{\cdots}$ $\frac{25}{4} =$ ..... $+ \frac{\cdots}{\cdots}$

$\frac{45}{10} =$ ..... $+ \frac{\cdots}{\cdots}$ $\frac{107}{10} =$ ..... $+ \frac{\cdots}{\cdots}$ $\frac{675}{100} =$ ..... $+ \frac{\cdots}{\cdots}$ $\frac{1073}{1000} =$ ..... $+ \frac{\cdots}{\cdots}$

Check your decompositions by using the button $\mathrm{F} \rightarrow \mathrm{A}\frac{\mathrm{b}}{\mathrm{c}}$ (example of the ex.1)