# Equivalent fractions 

## There is a very simple rule for Equivalent Fractions:

What you do to the top you must do to the bottom.
What you do to the bottom you must do the top.


## Got it?

Now complete the exercise on the following sheet.

## You will need to concentrate!

# Equivalent fractions 

Look at this row of fractions: $\quad \frac{1}{2}=$| $\frac{5}{10}$ | $\frac{6}{12}$ | $\frac{2}{4}$ | $\frac{4}{8}$ | $\frac{3}{6}$ |
| :--- | :--- | :--- | :--- | :--- |

It contains 5 fractions, in black, each of which is equal in value or EQUIVALENT to the fraction in red.

The rule is: What you do to the top you must do to the bottom. SIMPS!
Set your work out like this in your exercise books:

$$
\frac{1}{2} \xrightarrow[x 5]{=5} \frac{5}{10} \quad \underset{x}{\frac{1}{2}} \xrightarrow{x 6} \frac{6}{12} \quad \text { and so on. }
$$

Now complete the five fractions in each row below so they are all equivalent to the fraction in red.
Take your time. Complete this exercise nice and slowly. Enjoy it!

| $\frac{1}{2}=$ | 24 | 8 | 3 | $\overline{16}$ | $\overline{20}$ | $\frac{1}{8}=$ | 2 | $\overline{48}$ | 5 | 4 | 24 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\frac{1}{3}=$ | 6 | 2 | 3 | $\overline{12}$ | 15 | $\frac{1}{7}=$ | $\overline{42}$ | $\overline{14}$ | 5 | 3 | $\overline{28}$ |
| $\frac{1}{5}=$ | 6 | $\overline{10}$ | 25 | $\overline{20}$ | 3 | $\frac{3}{8}=$ | $\overline{48}$ | 6 | 15 | 24 | 32 |
| $\frac{2}{3}=$ | 12 | 6 | 10 | $\overline{9}$ | 8 | $\frac{1}{9}=$ | 6 | 2 | 3 | $\overline{45}$ | $\overline{36}$ |
| $\frac{3}{4}=$ | 18 | 6 | 9 | $\overline{16}$ | $\overline{20}$ | $\frac{5}{8}=$ | 30 | 10 | $\overline{40}$ | 15 | $\overline{32}$ |
| $\frac{1}{6}=$ | 6 | 2 | 5 | $\overline{18}$ | $\overline{24}$ |  | 24 | $\overline{18}$ | 20 | $\overline{27}$ | 16 |
| $\frac{2}{5}=$ | $\overline{30}$ | 4 | $\overline{25}$ | 6 | 20 | $\frac{7}{8}=$ | $\overline{48}$ | $\overline{16}$ | 35 | $\overline{24}$ | 28 |
| $\frac{5}{6}=$ | $\overline{36}$ | $\overline{12}$ | 25 | 15 | 20 | $\frac{3}{10}=$ | 18 | $\overline{20}$ | $\overline{50}$ | 9 | 12 |
| $\frac{4}{5}=$ | 12 | $\overline{10}$ | $\overline{30}$ | 20 | 16 | $\frac{8}{9}=$ |  | 16 | $\overline{45}$ | $\overline{27}$ | 36 |
| $\frac{3}{5}=$ | 18 | 6 | $\overline{25}$ | 12 | 15 | $\frac{7}{10}=$ |  | $\overline{20}$ | $\overline{50}$ | $\overline{30}$ | 28 |

