YOU & MATHS **From decimal numbers to fractions** Convert the decimal numbers to fractions in lowest terms.

a. $0,48$;

b. $2,47$;

c. $3,333$;

d. $0,\bar{8}$;

e. $0,2$;

f. $0,\overline{41}$.

To convert the decimal numbers to fractions we have to apply different rules depending on whether the decimal numbers are finite or periodical.
In both cases, once the number is converted into a fraction, it helps to reduce it to the lowest terms.

a. $0,48 = \dfrac{48}{100} = \dfrac{24}{50} = \dfrac{12}{25}$

b. $2,47 = \dfrac{247}{100}$

c. $3,333 = \dfrac{3333}{1000}$

d. $0,\bar{8} = \dfrac{8}{9}$

e. $0,2 = \dfrac{2}{10} = \dfrac{1}{5}$

f. $0,\overline{41} = \dfrac{41}{99}$