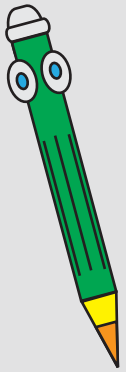# Math in English

Skills VI

Exercise Book

Topics:

Comparing fractions
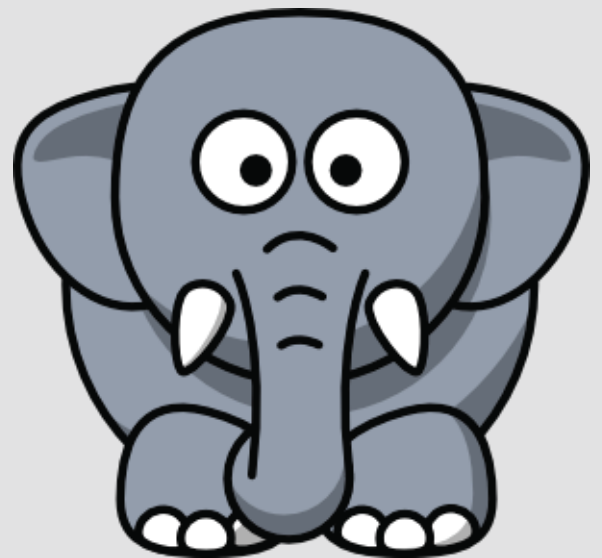
Simplifying fractions

Adding and subtracting fractions

Mixed numbers and impropers

Fractions of sets

Conversion in decimals

This workbook is all about fractions and suited for grade 4/5 students. The practice material covers:

- Compare fractions with different denominators that are multiples of each other

- Simplifying fractions (reduce to lowest terms)

- Adding and subtracting fractions with different denominators that are multiples of each other

- Conversion of mixed numbers in improper fractions and vice versa

- Conversion of fractions into decimals and vice versa (whole decimal numbers/ no rounding off)
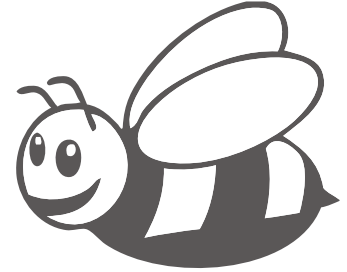
This booklet is excellent for any student: for those who are struggling with fractions, and those who feel the need to practice more. You can use it in combination with our worksheets!

Math in English

Compare the following fractions by using >, < or =.

$\frac{2}{3} \bigcirc \frac{1}{3}$ $\frac{3}{4} \bigcirc \frac{3}{8}$

$\frac{2}{4} \bigcirc \frac{1}{2}$ $\frac{1}{2} \bigcirc \frac{1}{3}$ $\frac{3}{6} \bigcirc \frac{2}{2}$

$\frac{4}{8} \bigcirc \frac{2}{4}$ $\frac{1}{3} \bigcirc \frac{2}{9}$ $\frac{2}{6} \bigcirc \frac{1}{3}$

$\frac{2}{5} \bigcirc \frac{2}{10}$ $\frac{3}{7} \bigcirc \frac{3}{6}$ $\frac{1}{3} \bigcirc \frac{1}{9}$

$\frac{2}{4} \bigcirc \frac{2}{5}$ $\frac{1}{5} \bigcirc \frac{2}{10}$ $\frac{3}{6} \bigcirc \frac{2}{3}$

$\frac{3}{9} \bigcirc \frac{2}{3}$ $\frac{6}{9} \bigcirc \frac{1}{3}$ $\frac{2}{3} \bigcirc \frac{9}{9}$

$\frac{1}{3} \bigcirc \frac{0}{6}$ $\frac{1}{4} \bigcirc \frac{5}{8}$ $\frac{2}{6} \bigcirc \frac{2}{3}$

$\frac{1}{3} \bigcirc \frac{4}{6}$ $\frac{2}{3} \bigcirc \frac{8}{9}$ $\frac{2}{4} \bigcirc \frac{2}{5}$

Compare the following fractions by using >, < or =.

$\frac{2}{3} \bigcirc \frac{2}{9}$ $\frac{2}{4} \bigcirc \frac{2}{8}$

$\frac{2}{4} \bigcirc \frac{4}{8}$ $\frac{1}{2} \bigcirc \frac{1}{4}$ $\frac{1}{6} \bigcirc \frac{1}{2}$

$\frac{2}{8} \bigcirc \frac{1}{4}$ $\frac{2}{3} \bigcirc \frac{5}{9}$ $\frac{3}{6} \bigcirc \frac{1}{2}$

$\frac{2}{5} \bigcirc \frac{3}{10}$ $\frac{2}{7} \bigcirc \frac{2}{6}$ $\frac{1}{3} \bigcirc \frac{2}{9}$

$\frac{1}{4} \bigcirc \frac{1}{5}$ $\frac{2}{5} \bigcirc \frac{4}{10}$ $\frac{1}{6} \bigcirc \frac{2}{3}$

$\frac{4}{9} \bigcirc \frac{2}{3}$ $\frac{4}{9} \bigcirc \frac{1}{3}$ $\frac{1}{2} \bigcirc \frac{6}{6}$

$\frac{1}{9} \bigcirc \frac{0}{3}$ $\frac{1}{8} \bigcirc \frac{5}{8}$ $\frac{3}{6} \bigcirc \frac{2}{3}$

$\frac{1}{3} \bigcirc \frac{3}{6}$ $\frac{1}{3} \bigcirc \frac{5}{9}$ $\frac{3}{4} \bigcirc \frac{3-}{5}$

Comparing Fractions

Compare the following fractions by using >, < or =.

$\frac{2}{4} \bigcirc \frac{1}{4}$ $\frac{3}{5} \bigcirc \frac{3}{6}$

$\frac{3}{6} \bigcirc \frac{1}{2}$ $\frac{1}{2} \bigcirc \frac{2}{8}$ $\frac{2}{6} \bigcirc \frac{1}{2}$

$\frac{2}{8} \bigcirc \frac{1}{4}$ $\frac{2}{3} \bigcirc \frac{5}{9}$ $\frac{4}{6} \bigcirc \frac{2}{3}$

$\frac{4}{5} \bigcirc \frac{7}{10}$ $\frac{3}{5} \bigcirc \frac{3}{4}$ $\frac{3}{3} \bigcirc \frac{8}{9}$

$\frac{1}{4} \bigcirc \frac{1}{5}$ $\frac{3}{5} \bigcirc \frac{6}{10}$ $\frac{5}{6} \bigcirc \frac{3}{3}$

$\frac{5}{9} \bigcirc \frac{2}{3}$ $\frac{6}{8} \bigcirc \frac{2}{4}$ $\frac{2}{3} \bigcirc \frac{9}{9}$

$\frac{2}{7} \bigcirc \frac{0}{6}$ $\frac{2}{4} \bigcirc \frac{5}{8}$ $\frac{2}{8} \bigcirc \frac{2}{7}$

$\frac{1}{3} \bigcirc \frac{2}{2}$ $\frac{2}{3} \bigcirc \frac{8}{9}$ $\frac{3}{4} \bigcirc \frac{3}{5}$

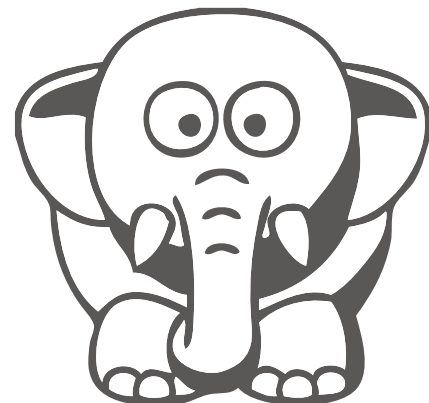Simplify the following fractions (lowest terms)

$\frac{2}{6} =$ $\frac{2}{10} =$ $\frac{4}{6} =$

$\frac{4}{8} =$ $\frac{3}{9} =$ $\frac{2}{14} =$

$\frac{2}{12} =$ $\frac{4}{10} =$ $\frac{6}{9} =$ $\frac{8}{9} =$

$\frac{6}{8} =$ $\frac{10}{12} =$ $\frac{3}{12} =$ $\frac{10}{40} =$

$\frac{6}{10} =$ $\frac{3}{15} =$ $\frac{2}{20} =$ $\frac{10}{15} =$

$\frac{9}{18} =$ $\frac{2}{14} =$ $\frac{5}{25} =$ $\frac{12}{24} =$

$\frac{2}{16} =$ $\frac{2}{22} =$ $\frac{3}{18} =$ $\frac{7}{14} =$

$\frac{10}{30} =$ $\frac{7}{21} =$ $\frac{8}{24} =$ $\frac{4}{24} =$

$\frac{2}{30} =$ $\frac{6}{10} =$ $\frac{7}{28} =$ $\frac{4}{7} =$

Simplify the following fractions (lowest terms)

$\frac{3}{6} =$ $\frac{4}{10} =$ $\frac{2}{6} =$

$\frac{6}{8} =$ $\frac{6}{9} =$ $\frac{4}{14} =$

$\frac{4}{12} =$ $\frac{6}{10} =$ $\frac{3}{9} =$ $\frac{4}{7} =$

$\frac{4}{8} =$ $\frac{8}{12} =$ $\frac{6}{12} =$ $\frac{20}{40} =$

$\frac{2}{10} =$ $\frac{6}{15} =$ $\frac{4}{20} =$ $\frac{12}{15} =$

$\frac{6}{18} =$ $\frac{6}{14} =$ $\frac{5}{15} =$ $\frac{16}{24} =$

$\frac{8}{16} =$ $\frac{4}{22} =$ $\frac{15}{18} =$ $\frac{8}{14} =$

$\frac{20}{30} =$ $\frac{3}{21} =$ $\frac{8}{20} =$ $\frac{8}{24} =$

$\frac{3}{30} =$ $\frac{6}{20} =$ $\frac{2}{28} =$ $\frac{7}{9} =$
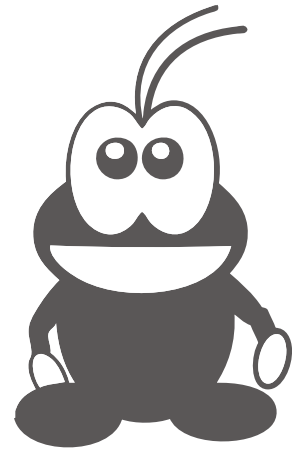
Addition and subtraction of fractions

Calculate and show your answers in the lowest terms

$\frac{1}{6} + \frac{1}{6} =$

$\frac{2}{3} + \frac{1}{9} =$

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

$\frac{1}{5} + \frac{1}{5} =$

$\frac{1}{6} + \frac{1}{12} =$

$\frac{1}{5} + \frac{1}{10} =$

$\frac{1}{3} + \frac{2}{6} =$

$\frac{1}{6} + \frac{1}{6} =$

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

$\frac{1}{4} + \frac{4}{8} =$

$\frac{1}{2} + \frac{1}{6} =$

$\frac{1}{4} + \frac{5}{20} =$

$\frac{3}{5} + \frac{2}{10} =$

$\frac{1}{3} + \frac{1}{9} =$

$\frac{1}{2} + \frac{2}{8} =$

$\frac{3}{6} + \frac{1}{6} =$

$\frac{3}{6} + \frac{1}{12} =$

$\frac{3}{8} + \frac{3}{8} =$

$\frac{2}{8} + \frac{2}{4} =$

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

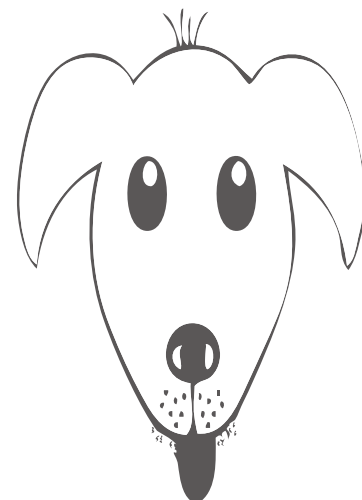$\frac{1}{8} + \frac{3}{8} =$

$\frac{2}{20} + \frac{4}{10} =$

$\frac{4}{6} + \frac{0}{6} =$

$\frac{1}{6} + \frac{1}{3} =$

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

$\frac{5}{8} + \frac{1}{8} =$

$\frac{1}{5} + \frac{3}{10} =$

Calculate and show your answers in the lowest terms

$\frac{5}{8} - \frac{1}{2} =$ $\frac{4}{3} - \frac{6}{6} =$

$\frac{6}{6} - \frac{1}{3} =$ $\frac{4}{6} - \frac{1}{2} =$

$\frac{3}{3} - \frac{1}{6} =$ $\frac{4}{8} - \frac{1}{4} =$

$\frac{2}{4} - \frac{2}{8} =$ $\frac{3}{4} - \frac{1}{8} =$ $\frac{9}{6} - \frac{2}{3} =$

$\frac{1}{2} - \frac{1}{6} =$ $\frac{1}{4} - \frac{1}{8} =$ $\frac{1}{3} - \frac{1}{6} =$

$\frac{4}{5} - \frac{1}{10} =$ $\frac{5}{6} - \frac{1}{6} =$ $\frac{1}{2} - \frac{1}{8} =$

$\frac{3}{5} - \frac{4}{10} =$ $\frac{6}{9} - \frac{1}{3} =$ $\frac{3}{6} - \frac{1}{3} =$

$\frac{3}{3} - \frac{2}{6} =$ $\frac{4}{3} - \frac{4}{6} =$ $\frac{5}{6} - \frac{1}{6} =$
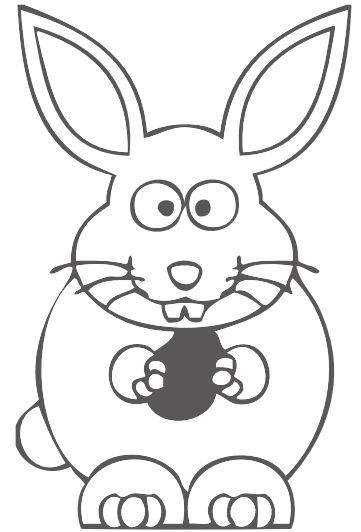
$\frac{4}{6} - \frac{1}{3} =$ $\frac{5}{8} - \frac{2}{4} =$ $\frac{3}{4} - \frac{1}{2} =$

$\frac{2}{3} - \frac{1}{6} =$ $\frac{1}{2} - \frac{1}{4} =$ $\frac{4}{5} - \frac{2}{10} =$

Calculate and show your answers in the lowest terms

$\frac{2}{6} + \frac{1}{6} =$ $\frac{1}{3} + \frac{1}{9} =$

$\frac{1}{4} + \frac{1}{8} =$ $\frac{2}{5} + \frac{1}{5} =$

$\frac{2}{6} + \frac{2}{12} =$ $\frac{1}{5} + \frac{3}{10} =$

$\frac{1}{3} + \frac{1}{6} =$ $\frac{2}{6} + \frac{1}{6} =$ $\frac{1}{3} + \frac{2}{12} =$

$\frac{1}{4} + \frac{1}{8} =$ $\frac{1}{2} + \frac{2}{6} =$ $\frac{1}{5} + \frac{4}{20} =$

$\frac{2}{5} + \frac{2}{10} =$ $\frac{2}{3} + \frac{1}{9} =$ $\frac{1}{2} + \frac{1}{8} =$

$\frac{1}{6} + \frac{1}{6} =$ $\frac{3}{6} + \frac{2}{12} =$ $\frac{3}{8} + \frac{1}{8} =$

$\frac{1}{8} + \frac{2}{4} =$ $\frac{1}{6} + \frac{1}{2} =$ $\frac{1}{8} + \frac{5}{8} =$

$\frac{4}{20} + \frac{4}{10} =$ $\frac{1}{6} + \frac{0}{6} =$ $\frac{1}{3} + \frac{1}{3} =$

$\frac{6}{12} + \frac{1}{4} =$ $\frac{3}{8} + \frac{1}{8} =$ $\frac{2}{5} + \frac{1}{10} =$

Convert these mixed numbers into improper fractions.

$2\frac{1}{6} = \frac{}{6}$ $3\frac{1}{3} = \frac{}{3}$ $1\frac{1}{3} = \frac{}{3}$

$5\frac{7}{8} = \frac{}{8}$ $4\frac{2}{6} = \frac{}{6}$ $2\frac{2}{7} = \frac{}{7}$

$5\frac{2}{5} = \frac{}{5}$ $6\frac{1}{6} = \frac{}{6}$ $1\frac{2}{9} = \frac{}{9}$ $2\frac{2}{5} = \frac{}{5}$

$2\frac{1}{8} = \frac{}{8}$ $3\frac{2}{5} = \frac{}{5}$ $5\frac{3}{4} = \frac{}{4}$ $4\frac{1}{8} = \frac{}{8}$

$1\frac{2}{9} = \frac{}{9}$ $2\frac{2}{4} = \frac{}{4}$ $3\frac{2}{6} = \frac{}{6}$ $5\frac{2}{3} = \frac{}{3}$

$2\frac{1}{3} = \frac{}{3}$ $5\frac{2}{6} = \frac{}{6}$ $3\frac{1}{8} = \frac{}{8}$ $1\frac{1}{9} = \frac{}{9}$

$9\frac{2}{5} = \frac{}{5}$ $7\frac{2}{3} = \frac{}{3}$ $5\frac{1}{3} = \frac{}{3}$ $4\frac{2}{7} = \frac{}{7}$

$2\frac{2}{7} = \frac{}{7}$ $1\frac{2}{7} = \frac{}{7}$ $1\frac{1}{8} = \frac{}{8}$ $4\frac{1}{6} = \frac{}{6}$

$5\frac{2}{4} = \frac{}{4}$ $1\frac{2}{4} = \frac{}{4}$ $2\frac{1}{2} = \frac{}{2}$ $3\frac{4}{7} = \frac{}{7}$
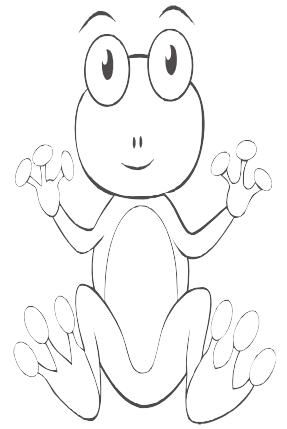
Mixed numbers and improper fractions

Convert these mixed numbers into improper fractions.

$2\frac{1}{5} =$ $\qquad$ $3\frac{1}{4} =$ $\qquad$ $1\frac{1}{2} =$

$5\frac{7}{7} =$ $\qquad$ $4\frac{2}{5} =$ $\qquad$ $2\frac{2}{6} =$

$5\frac{2}{4} =$ $\qquad$ $6\frac{1}{5} =$ $\qquad$ $1\frac{3}{9} =$ $\qquad$ $2\frac{3}{5} =$

$2\frac{1}{6} =$ $\qquad$ $3\frac{1}{5} =$ $\qquad$ $5\frac{3}{3} =$ $\qquad$ $4\frac{2}{8} =$

$1\frac{2}{8} =$ $\qquad$ $2\frac{2}{5} =$ $\qquad$ $3\frac{2}{5} =$ $\qquad$ $5\frac{2}{5} =$

$2\frac{1}{4} =$ $\qquad$ $5\frac{2}{3} =$ $\qquad$ $3\frac{2}{8} =$ $\qquad$ $1\frac{2}{9} =$

$9\frac{2}{4} =$ $\qquad$ $7\frac{2}{3} =$ $\qquad$ $5\frac{1}{3} =$ $\qquad$ $4\frac{2}{8} =$

$2\frac{2}{6} =$ $\qquad$ $1\frac{2}{7} =$ $\qquad$ $1\frac{1}{7} =$ $\qquad$ $4\frac{2}{6} =$

$5\frac{2}{6} =$ $\qquad$ $1\frac{2}{3} =$ $\qquad$ $3\frac{1}{2} =$ $\qquad$ $3\frac{4}{6} =$
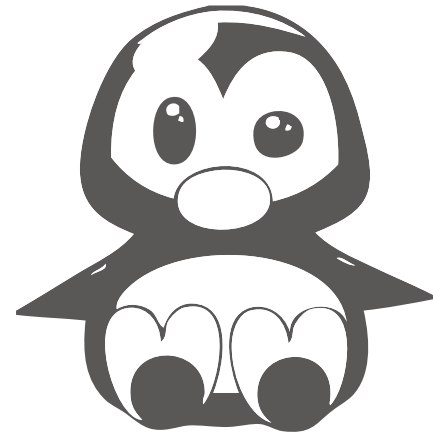
Convert these improper fractions into mixed numbers

$\frac{13}{6}$ = $\frac{10}{3}$ = $\frac{4}{3}$ =

$\frac{47}{8}$ = $\frac{26}{6}$ = $\frac{16}{7}$ =

$\frac{27}{5}$ = $\frac{37}{6}$ = $\frac{11}{9}$ = $\frac{12}{5}$ =

$\frac{17}{8}$ = $\frac{17}{5}$ = $\frac{23}{4}$ = $\frac{33}{8}$ =

$\frac{11}{9}$ = $\frac{10}{4}$ = $\frac{20}{6}$ = $\frac{17}{3}$ =

$\frac{7}{3}$ = $\frac{32}{6}$ = $\frac{25}{8}$ = $\frac{10}{9}$ =

$\frac{47}{5}$ = $\frac{23}{3}$ = $\frac{16}{3}$ = $\frac{30}{7}$ =

$\frac{16}{7}$ = $\frac{9}{7}$ = $\frac{9}{8}$ = $\frac{25}{6}$ =

$\frac{22}{4}$ = $\frac{6}{4}$ = $\frac{5}{2}$ = $\frac{25}{7}$ =
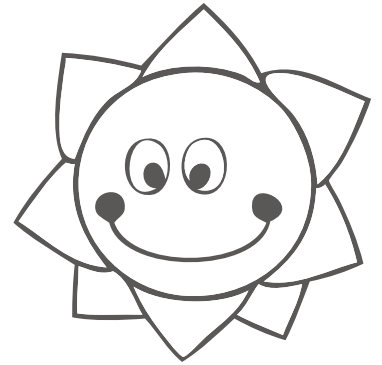
Convert these improper fractions into mixed numbers.

$\frac{14}{5} =$ $\qquad$ $\frac{13}{4} =$ $\qquad$ $\frac{6}{5} =$

$\frac{42}{7} =$ $\qquad$ $\frac{22}{5} =$ $\qquad$ $\frac{14}{6} =$

$\frac{22}{4} =$ $\qquad$ $\frac{31}{5} =$ $\qquad$ $\frac{10}{8} =$ $\qquad$ $\frac{14}{6} =$

$\frac{15}{7} =$ $\qquad$ $\frac{14}{4} =$ $\qquad$ $\frac{28}{5} =$ $\qquad$ $\frac{29}{7} =$

$\frac{11}{8} =$ $\qquad$ $\frac{14}{6} =$ $\qquad$ $\frac{23}{7} =$ $\qquad$ $\frac{12}{2} =$

$\frac{5}{2} =$ $\qquad$ $\frac{22}{4} =$ $\qquad$ $\frac{19}{6} =$ $\qquad$ $\frac{11}{9} =$

$\frac{38}{4} =$ $\qquad$ $\frac{16}{2} =$ $\qquad$ $\frac{21}{4} =$ $\qquad$ $\frac{18}{4} =$

$\frac{10}{4} =$ $\qquad$ $\frac{7}{5} =$ $\qquad$ $\frac{8}{7} =$ $\qquad$ $\frac{21}{5} =$

$\frac{32}{6} =$ $\qquad$ $\frac{5}{3} =$ $\qquad$ $\frac{3}{2} =$ $\qquad$ $\frac{22}{6} =$
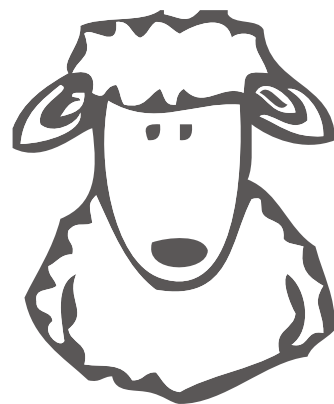
Calculate these fractions of sets

$\frac{1}{2}$ of 150 =

$\frac{1}{3}$ of 60 =

$\frac{1}{3}$ of 75 =

$\frac{1}{4}$ of 80 =

$\frac{1}{2}$ of 100 =

$\frac{1}{3}$ of 150 =

$\frac{1}{2}$ of 90 =

$\frac{1}{2}$ of 180 =

$\frac{1}{2}$ of 104 =

$\frac{1}{5}$ of 150 =

$\frac{1}{3}$ of 90 =

$\frac{1}{3}$ of 123 =

$\frac{1}{6}$ of 120 =

$\frac{1}{10}$ of 150 =

$\frac{1}{2}$ of 170 =

$\frac{1}{4}$ of 200 =

$\frac{1}{2}$ of 110 =

$\frac{1}{2}$ of 130 =

$\frac{1}{4}$ of 160 =

$\frac{1}{2}$ of 70 =

$\frac{1}{4}$ of 120 =

$\frac{1}{2}$ of 60 =

$\frac{1}{3}$ of 180 =

$\frac{1}{3}$ of 99 =

$\frac{1}{7}$ of 140 =

$\frac{1}{4}$ of 200 =

$\frac{1}{2}$ of 104 =

$\frac{1}{9}$ of 90 =

$\frac{1}{6}$ of 180 =

$\frac{1}{5}$ of 100 =

$\frac{1}{8}$ of 160 =

$\frac{1}{3}$ of 120 =

$\frac{1}{7}$ of 210 =
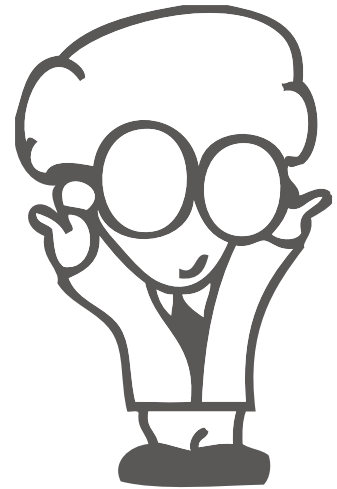
Calculate these fractions of sets

$\frac{1}{2}$ of 100 = $\frac{1}{2}$ of 120 =

$\frac{1}{3}$ of 150 = $\frac{1}{2}$ of 140 =

$\frac{1}{2}$ of 180 = $\frac{1}{2}$ of 160 =

$\frac{1}{5}$ of 150 = $\frac{1}{4}$ of 160= $\frac{1}{2}$ of 124 =

$\frac{1}{5}$ of 120 = $\frac{1}{3}$ of 180 = $\frac{1}{4}$ of 180 =

$\frac{1}{4}$ of 200 = $\frac{1}{4}$ of 320 = $\frac{1}{3}$ of 297 =

$\frac{1}{2}$ of 110 = $\frac{1}{3}$ of 210 = $\frac{1}{2}$ of 176 =

$\frac{1}{5}$ of 220 = $\frac{1}{6}$ of 120 = $\frac{1}{3}$ of 264 =

$\frac{1}{7}$ of 140 = $\frac{1}{8}$ of 160 = $\frac{1}{2}$ of 198 =

$\frac{1}{9}$ of 270 = $\frac{1}{5}$ of 250 = $\frac{1}{2}$ of 102 =

$\frac{1}{2}$ of 130 = $\frac{1}{7}$ of 280 = $\frac{1}{3}$ of 270 =

$\frac{1}{9}$ of 180 = $\frac{1}{6}$ of 240 = $\frac{1}{2}$ of 190 =

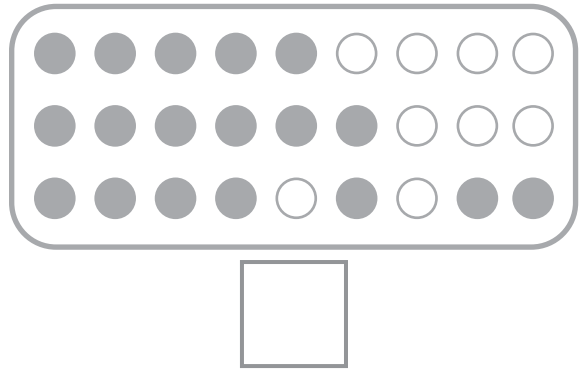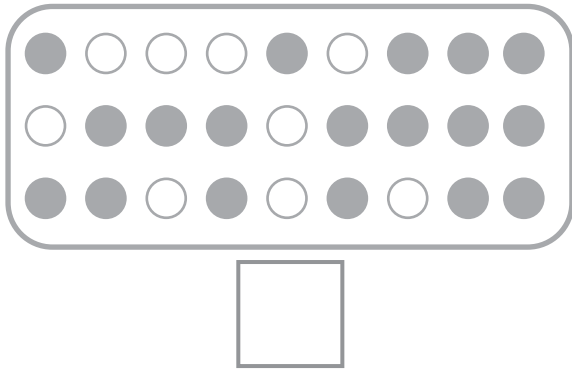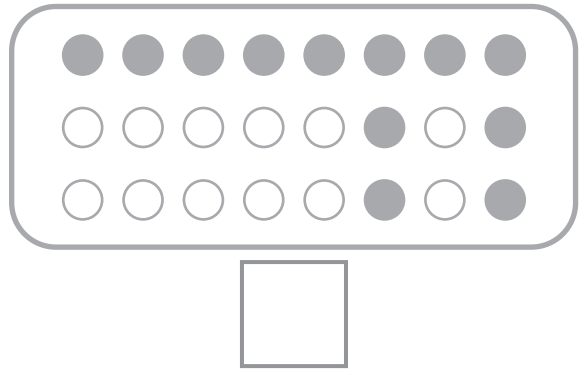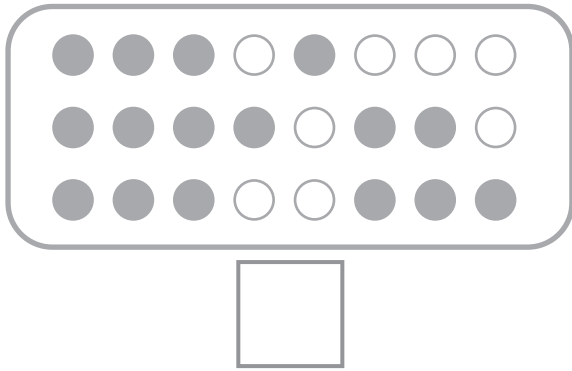What fraction of each set is shaded?
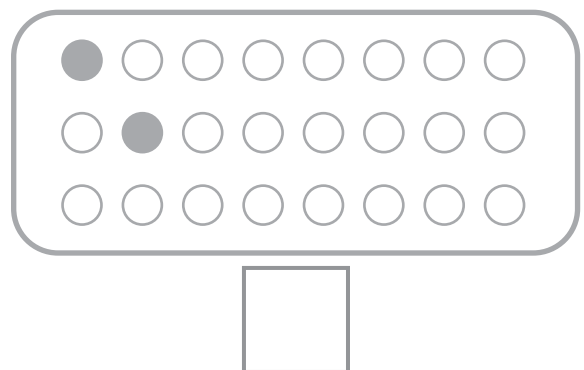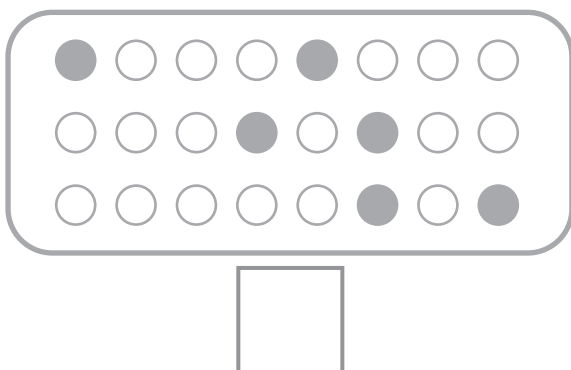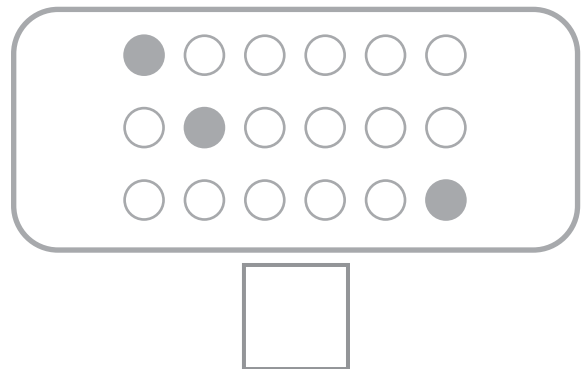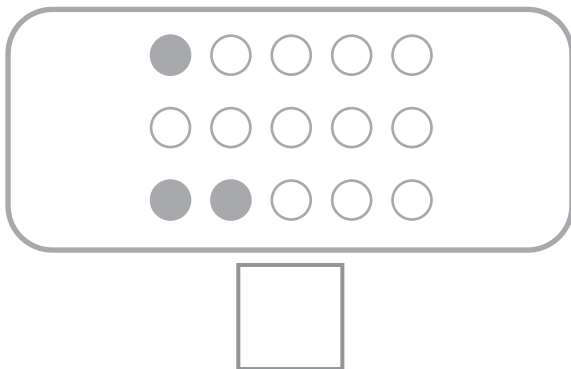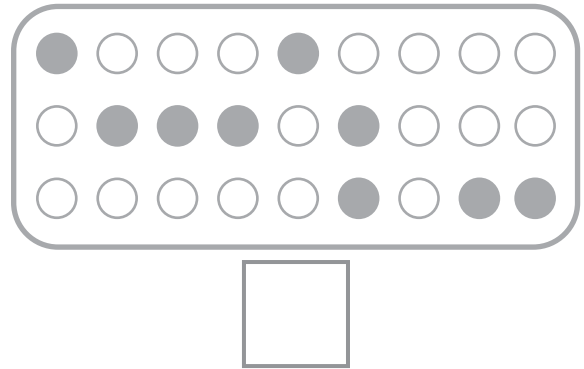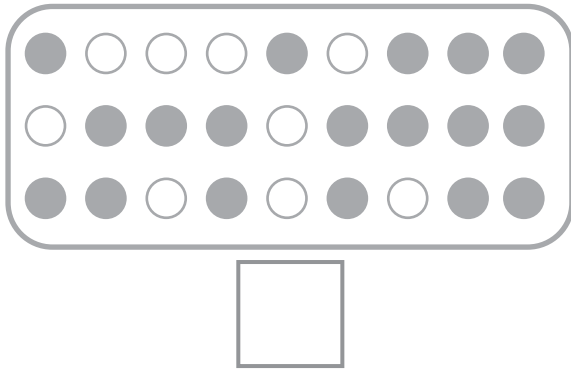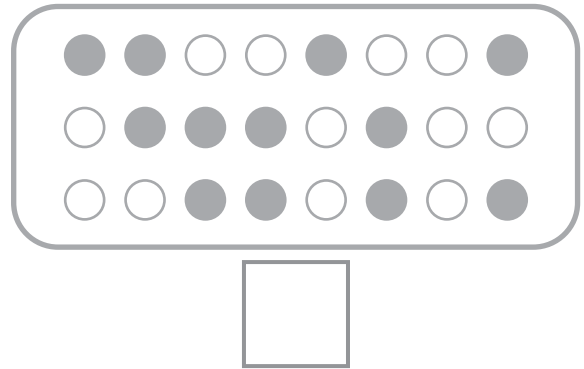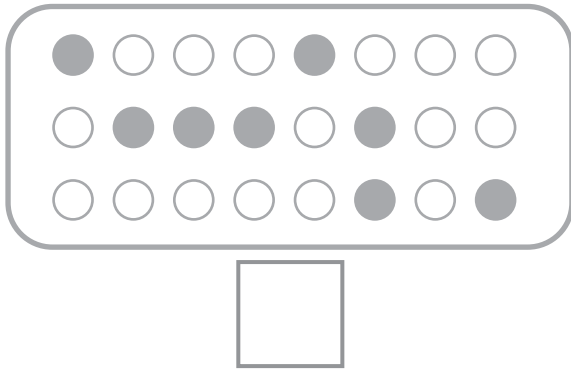
What fraction of each set is not shaded?
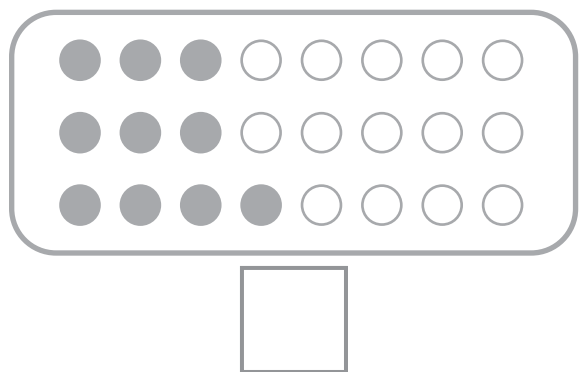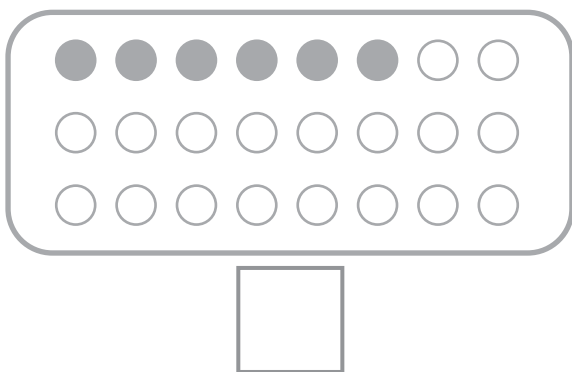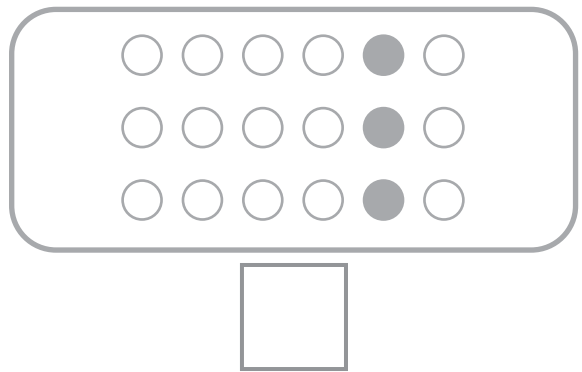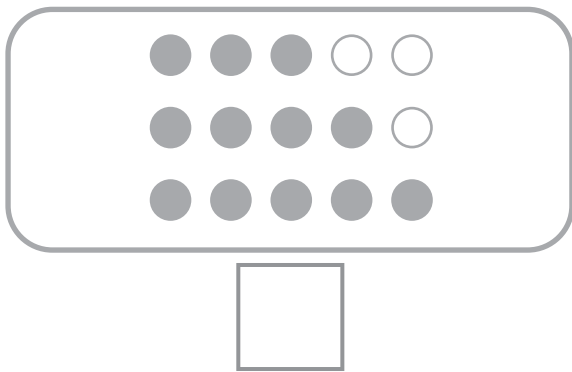
Conversion of Fractions into Decimals

Convert these fractions into decimals

$\frac{1}{2} =$ $\frac{1}{10} =$ $\frac{1}{4} =$

$\frac{1}{100} =$ $\frac{2}{20} =$ $\frac{2}{100} =$

$\frac{10}{100} =$ $\frac{1}{5} =$ $\frac{50}{100} =$ $\frac{4}{10} =$

$\frac{12}{100} =$ $\frac{3}{10} =$ $\frac{3}{4} =$ $\frac{7}{10} =$

$\frac{3}{5} =$ $\frac{2}{4} =$ $\frac{37}{100} =$ $\frac{6}{10} =$

$\frac{1}{50} =$ $\frac{1}{25} =$ $\frac{1}{20} =$ $\frac{9}{10} =$

$\frac{2}{50} =$ $\frac{2}{25} =$ $\frac{10}{20} =$ $\frac{5}{25} =$

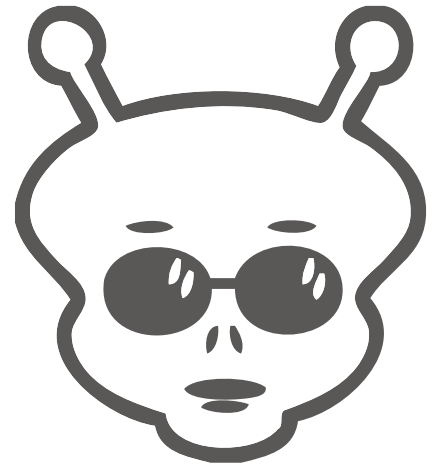$\frac{99}{100} =$ $\frac{4}{10} =$ $\frac{65}{100} =$ $\frac{9}{25} =$

$\frac{2}{200} =$ $\frac{7}{50} =$ $\frac{13}{100} =$ $\frac{10}{10} =$

Convert these fractions into decimals

$$\frac{4}{8} = \qquad \frac{6}{20} = \qquad \frac{6}{8} =$$

$$\frac{51}{100} = \qquad \frac{9}{20} = \qquad \frac{7}{100} =$$

$$\frac{11}{100} = \qquad \frac{3}{6} = \qquad \frac{40}{100} = \qquad \frac{9}{18} =$$

$$\frac{25}{100} = \qquad \frac{3}{20} = \qquad \frac{1}{4} = \qquad \frac{4}{10} =$$

$$\frac{4}{5} = \qquad \frac{2}{8} = \qquad \frac{44}{100} = \qquad \frac{5}{10} =$$

$$\frac{9}{50} = \qquad \frac{5}{25} = \qquad \frac{3}{20} = \qquad \frac{8}{10} =$$

$$\frac{3}{50} = \qquad \frac{4}{25} = \qquad \frac{15}{20} = \qquad \frac{20}{25} =$$

$$\frac{91}{100} = \qquad \frac{1}{10} = \qquad \frac{15}{100} = \qquad \frac{24}{25} =$$

$$\frac{4}{200} = \qquad \frac{8}{50} = \qquad \frac{15}{100} = \qquad \frac{15}{15} =$$

Convert these decimals into fractions (lowest terms!)

0.5 =	0.3 =	0.45 =	
0.01 =	0.05 =	0.06 =	
0.1 =	0.2 =	0.35 =	0.8 =
0.12 =	0.7 =	0.75 =	0.21 =
0.6 =	0.25 =	0.37 =	0.85 =
0.02 =	0.08 =	0.05 =	0.09 =
0.04 =	0.16 =	0.15 =	0.22 =
0.99 =	0.14 =	0.65 =	0.36 =
0.02 =	0.28 =	0.13 =	1.1 =

Use your skills and solve this puzzle!

Across

2. half of 50
4. seven-tenths of 50
5. three-fourths of 28
8. two-fifths of 30
10. four-eights of 40
12. one-third of 96
13. one-fourth of 200
16. four-fifths of 30

Down

1. three-fourths of 20
2. three-eighths of 64
3. one-fifth of 125
6. one-sixth of 108
7. three-sevenths of 49
9. four-fifths of 25
10. three-ninths of 81
11. two-fifths of 25
12. six-twentieths of 100
14. one-third of 45
15. four-ninths of 90
17. three-fifths of 20

Compare the following fractions by using >, < or =.

$\frac{2}{3}$ > $\frac{1}{3}$ $\frac{3}{4}$ > $\frac{3}{8}$

$\frac{2}{4}$ = $\frac{1}{2}$ $\frac{1}{2}$ > $\frac{1}{3}$ $\frac{3}{6}$ < $\frac{2}{2}$

$\frac{4}{8}$ = $\frac{2}{4}$ $\frac{1}{3}$ > $\frac{2}{9}$ $\frac{2}{6}$ = $\frac{1}{3}$

$\frac{2}{5}$ > $\frac{2}{10}$ $\frac{3}{7}$ < $\frac{3}{6}$ $\frac{1}{3}$ > $\frac{1}{9}$

$\frac{2}{4}$ > $\frac{2}{5}$ $\frac{1}{5}$ = $\frac{2}{10}$ $\frac{3}{6}$ < $\frac{2}{3}$

$\frac{3}{9}$ < $\frac{2}{3}$ $\frac{6}{9}$ > $\frac{1}{3}$ $\frac{2}{3}$ < $\frac{9}{9}$

$\frac{1}{3}$ > $\frac{0}{6}$ $\frac{1}{4}$ < $\frac{5}{8}$ $\frac{2}{6}$ < $\frac{2}{3}$

$\frac{1}{3}$ < $\frac{4}{6}$ $\frac{2}{3}$ < $\frac{8}{9}$ $\frac{2}{4}$ > $\frac{2}{5}$

Compare the following fractions by using >, < or =.

$\frac{2}{3}$ > $\frac{2}{9}$ $\frac{2}{4}$ > $\frac{2}{8}$

$\frac{2}{4}$ = $\frac{4}{8}$ $\frac{1}{2}$ > $\frac{1}{4}$ $\frac{1}{6}$ < $\frac{1}{2}$

$\frac{2}{8}$ = $\frac{1}{4}$ $\frac{2}{3}$ > $\frac{5}{9}$ $\frac{3}{6}$ = $\frac{1}{2}$

$\frac{2}{5}$ > $\frac{3}{10}$ $\frac{2}{7}$ < $\frac{2}{6}$ $\frac{1}{3}$ > $\frac{2}{9}$

$\frac{1}{4}$ > $\frac{1}{5}$ $\frac{2}{5}$ = $\frac{4}{10}$ $\frac{1}{6}$ < $\frac{2}{3}$

$\frac{4}{9}$ < $\frac{2}{3}$ $\frac{4}{9}$ > $\frac{1}{3}$ $\frac{1}{2}$ < $\frac{6}{6}$

$\frac{1}{9}$ > $\frac{0}{3}$ $\frac{1}{8}$ < $\frac{5}{8}$ $\frac{3}{6}$ < $\frac{2}{3}$

$\frac{1}{3}$ < $\frac{3}{6}$ $\frac{1}{3}$ < $\frac{5}{9}$ $\frac{3}{4}$ > $\frac{3-}{5}$

Compare the following fractions by using >, < or =.

$\frac{2}{4}$ > $\frac{1}{4}$ $\frac{3}{5}$ > $\frac{3}{6}$

$\frac{3}{6}$ = $\frac{1}{2}$ $\frac{1}{2}$ > $\frac{2}{8}$ $\frac{2}{6}$ < $\frac{1}{2}$

$\frac{2}{8}$ = $\frac{1}{4}$ $\frac{2}{3}$ > $\frac{5}{9}$ $\frac{4}{6}$ = $\frac{2}{3}$

$\frac{4}{5}$ > $\frac{7}{10}$ $\frac{3}{5}$ < $\frac{3}{4}$ $\frac{3}{3}$ > $\frac{8}{9}$

$\frac{1}{4}$ > $\frac{1}{5}$ $\frac{3}{5}$ = $\frac{6}{10}$ $\frac{5}{6}$ < $\frac{3}{3}$

$\frac{5}{9}$ < $\frac{2}{3}$ $\frac{6}{8}$ > $\frac{2}{4}$ $\frac{2}{3}$ < $\frac{9}{9}$

$\frac{2}{7}$ > $\frac{0}{6}$ $\frac{2}{4}$ < $\frac{5}{8}$ $\frac{2}{8}$ < $\frac{2}{7}$

$\frac{1}{3}$ < $\frac{2}{2}$ $\frac{2}{3}$ < $\frac{8}{9}$ $\frac{3}{4}$ > $\frac{3}{5}$

Simplify the following fractions (lowest terms)

$\frac{2}{6} = \frac{1}{3}$ $\frac{2}{10} = \frac{1}{5}$ $\frac{4}{6} = \frac{2}{3}$

$\frac{4}{8} = \frac{1}{2}$ $\frac{3}{9} = \frac{1}{3}$ $\frac{2}{14} = \frac{1}{7}$

$\frac{2}{12} = \frac{1}{6}$ $\frac{4}{10} = \frac{2}{5}$ $\frac{6}{9} = \frac{2}{3}$ $\frac{8}{9} = \frac{8}{9}$

$\frac{6}{8} = \frac{3}{4}$ $\frac{10}{12} = \frac{5}{6}$ $\frac{3}{12} = \frac{1}{4}$ $\frac{10}{40} = \frac{1}{4}$

$\frac{6}{10} = \frac{3}{5}$ $\frac{3}{15} = \frac{1}{5}$ $\frac{2}{20} = \frac{1}{10}$ $\frac{10}{15} = \frac{2}{3}$

$\frac{9}{18} = \frac{1}{2}$ $\frac{2}{14} = \frac{1}{7}$ $\frac{5}{25} = \frac{1}{5}$ $\frac{12}{24} = \frac{1}{2}$

$\frac{2}{16} = \frac{1}{8}$ $\frac{2}{22} = \frac{1}{11}$ $\frac{3}{18} = \frac{1}{6}$ $\frac{7}{14} = \frac{1}{2}$

$\frac{10}{30} = \frac{1}{3}$ $\frac{7}{21} = \frac{1}{3}$ $\frac{8}{24} = \frac{1}{3}$ $\frac{4}{24} = \frac{1}{6}$

$\frac{2}{30} = \frac{1}{15}$ $\frac{6}{10} = \frac{3}{5}$ $\frac{7}{28} = \frac{1}{4}$ $\frac{4}{7} = \frac{4}{7}$
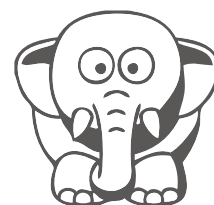
Simplifying Fractions

Simplify the following fractions (lowest terms)

$\frac{3}{6} = \frac{1}{2}$ $\frac{4}{10} = \frac{2}{5}$ $\frac{2}{6} = \frac{1}{3}$

$\frac{6}{8} = \frac{3}{4}$ $\frac{6}{9} = \frac{2}{3}$ $\frac{4}{14} = \frac{2}{7}$

$\frac{4}{12} = \frac{1}{3}$ $\frac{6}{10} = \frac{3}{5}$ $\frac{3}{9} = \frac{1}{3}$ $\frac{4}{7} = \frac{4}{7}$

$\frac{4}{8} = \frac{1}{2}$ $\frac{8}{12} = \frac{2}{3}$ $\frac{6}{12} = \frac{1}{2}$ $\frac{20}{40} = \frac{1}{2}$

$\frac{2}{10} = \frac{1}{5}$ $\frac{6}{15} = \frac{2}{5}$ $\frac{4}{20} = \frac{1}{5}$ $\frac{12}{15} = \frac{4}{5}$

$\frac{6}{18} = \frac{1}{3}$ $\frac{6}{14} = \frac{3}{7}$ $\frac{5}{15} = \frac{1}{5}$ $\frac{16}{24} = \frac{2}{3}$

$\frac{8}{16} = \frac{1}{2}$ $\frac{4}{22} = \frac{2}{11}$ $\frac{15}{18} = \frac{5}{6}$ $\frac{8}{14} = \frac{4}{7}$

$\frac{20}{30} = \frac{2}{3}$ $\frac{3}{21} = \frac{1}{7}$ $\frac{8}{20} = \frac{2}{5}$ $\frac{8}{24} = \frac{1}{3}$

$\frac{3}{30} = \frac{1}{10}$ $\frac{6}{20} = \frac{3}{10}$ $\frac{2}{28} = \frac{1}{14}$ $\frac{7}{9} = \frac{7}{9}$

Addition and subtraction of fractions

Calculate and show your answers in the lowest terms

$\frac{1}{6} + \frac{1}{6} = \frac{1}{3}$ $\frac{2}{3} + \frac{1}{9} = \frac{7}{9}$

$\frac{2}{4} + \frac{1}{8} = \frac{5}{8}$ $\frac{1}{5} + \frac{1}{5} = \frac{2}{5}$

$\frac{1}{6} + \frac{1}{12} = \frac{1}{4}$ $\frac{1}{5} + \frac{1}{10} = \frac{3}{10}$

$\frac{1}{3} + \frac{2}{6} = \frac{2}{3}$ $\frac{1}{6} + \frac{1}{6} = \frac{1}{3}$ $\frac{1}{3} + \frac{4}{12} = \frac{2}{3}$

$\frac{1}{4} + \frac{4}{8} = \frac{3}{4}$ $\frac{1}{2} + \frac{1}{6} = \frac{2}{3}$ $\frac{1}{4} + \frac{5}{20} = \frac{1}{2}$

$\frac{3}{5} + \frac{2}{10} = \frac{4}{5}$ $\frac{1}{3} + \frac{1}{9} = \frac{4}{9}$ $\frac{1}{2} + \frac{2}{8} = \frac{3}{4}$

$\frac{3}{6} + \frac{1}{6} = \frac{2}{3}$ $\frac{3}{6} + \frac{1}{12} = \frac{7}{12}$ $\frac{3}{8} + \frac{3}{8} = \frac{3}{4}$

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

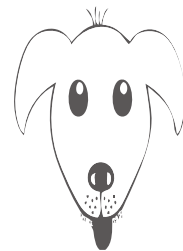$\frac{2}{20} + \frac{4}{10} = \frac{1}{2}$ $\frac{4}{6} + \frac{0}{6} = \frac{2}{3}$ $\frac{1}{6} + \frac{1}{3} = \frac{1}{2}$

$\frac{3}{12} + \frac{1}{4} = \frac{1}{2}$ $\frac{5}{8} + \frac{1}{8} = \frac{3}{4}$ $\frac{1}{5} + \frac{3}{10} = \frac{1}{2}$

Addition and subtraction of fractions

Calculate and show your answers in the lowest terms

$\frac{5}{8} - \frac{1}{2} = \frac{1}{8}$ $\frac{4}{3} - \frac{6}{6} = \frac{1}{3}$

$\frac{6}{6} - \frac{1}{3} = \frac{2}{3}$ $\frac{4}{6} - \frac{1}{2} = \frac{1}{6}$

$\frac{3}{3} - \frac{1}{6} = \frac{5}{6}$ $\frac{4}{8} - \frac{1}{4} = \frac{1}{4}$

$\frac{2}{4} - \frac{2}{8} = \frac{1}{4}$ $\frac{3}{4} - \frac{1}{8} = \frac{5}{8}$ $\frac{9}{6} - \frac{2}{3} = \frac{2}{3}$

$\frac{1}{2} - \frac{1}{6} = \frac{1}{3}$ $\frac{1}{4} - \frac{1}{8} = \frac{1}{8}$ $\frac{1}{3} - \frac{1}{6} = \frac{1}{6}$

$\frac{4}{5} - \frac{1}{10} = \frac{7}{10}$ $\frac{5}{6} - \frac{1}{6} = \frac{2}{3}$ $\frac{1}{2} - \frac{1}{8} = \frac{3}{8}$

$\frac{3}{5} - \frac{4}{10} = \frac{1}{5}$ $\frac{6}{9} - \frac{1}{3} = \frac{1}{3}$ $\frac{3}{6} - \frac{1}{3} = \frac{1}{6}$

$\frac{3}{3} - \frac{2}{6} = \frac{2}{3}$ $\frac{4}{3} - \frac{4}{6} = \frac{2}{3}$ $\frac{5}{6} - \frac{1}{6} = \frac{2}{3}$
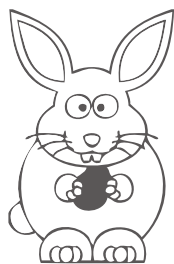
$\frac{4}{6} - \frac{1}{3} = \frac{1}{3}$ $\frac{5}{8} - \frac{2}{4} = \frac{1}{8}$ $\frac{3}{4} - \frac{1}{2} = \frac{1}{4}$

$\frac{2}{3} - \frac{1}{6} = \frac{1}{2}$ $\frac{1}{2} - \frac{1}{4} = \frac{1}{4}$ $\frac{4}{5} - \frac{2}{10} = \frac{3}{5}$

Addition and subtraction of fractions

Calculate and show your answers in the lowest terms

$\frac{2}{6} + \frac{1}{6} = \frac{1}{2}$ $\frac{1}{3} + \frac{1}{9} = \frac{4}{9}$

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

$\frac{2}{6} + \frac{2}{12} = \frac{1}{2}$ $\frac{1}{5} + \frac{3}{10} = \frac{1}{2}$

$\frac{1}{3} + \frac{1}{6} = \frac{1}{2}$ $\frac{2}{6} + \frac{1}{6} = \frac{1}{2}$ $\frac{1}{3} + \frac{2}{12} = \frac{1}{2}$

$\frac{1}{4} + \frac{1}{8} = \frac{3}{8}$ $\frac{1}{2} + \frac{2}{6} = \frac{5}{6}$ $\frac{1}{5} + \frac{4}{20} = \frac{2}{5}$

$\frac{2}{5} + \frac{2}{10} = \frac{3}{5}$ $\frac{2}{3} + \frac{1}{9} = \frac{7}{9}$ $\frac{1}{2} + \frac{1}{8} = \frac{5}{8}$

$\frac{1}{6} + \frac{1}{6} = \frac{1}{3}$ $\frac{3}{6} + \frac{2}{12} = \frac{2}{3}$ $\frac{3}{8} + \frac{1}{8} = \frac{1}{2}$

$\frac{1}{8} + \frac{2}{4} = \frac{5}{8}$ $\frac{1}{6} + \frac{1}{2} = \frac{2}{3}$ $\frac{1}{8} + \frac{5}{8} = \frac{3}{4}$

$\frac{4}{20} + \frac{4}{10} = \frac{3}{5}$ $\frac{1}{6} + \frac{0}{6} = \frac{1}{6}$ $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$

$\frac{6}{12} + \frac{1}{4} = \frac{3}{4}$ $\frac{3}{8} + \frac{1}{8} = \frac{1}{2}$ $\frac{2}{5} + \frac{1}{10} = \frac{1}{2}$

Convert these mixed numbers into improper fractions.

$2\frac{1}{6} = \frac{13}{6}$ $3\frac{1}{3} = \frac{10}{3}$ $1\frac{1}{3} = \frac{4}{3}$

$5\frac{7}{8} = \frac{47}{8}$ $4\frac{2}{6} = \frac{26}{6}$ $2\frac{2}{7} = \frac{16}{7}$

$5\frac{2}{5} = \frac{27}{5}$ $6\frac{1}{6} = \frac{37}{6}$ $1\frac{2}{9} = \frac{11}{9}$ $2\frac{2}{5} = \frac{12}{5}$

$2\frac{1}{8} = \frac{17}{8}$ $3\frac{2}{5} = \frac{17}{5}$ $5\frac{3}{4} = \frac{23}{4}$ $4\frac{1}{8} = \frac{33}{8}$

$1\frac{2}{9} = \frac{11}{9}$ $2\frac{2}{4} = \frac{10}{4}$ $3\frac{2}{6} = \frac{20}{6}$ $5\frac{2}{3} = \frac{17}{3}$

$2\frac{1}{3} = \frac{7}{3}$ $5\frac{2}{6} = \frac{32}{6}$ $3\frac{1}{8} = \frac{25}{8}$ $1\frac{1}{9} = \frac{10}{9}$

$9\frac{2}{5} = \frac{47}{5}$ $7\frac{2}{3} = \frac{23}{3}$ $5\frac{1}{3} = \frac{16}{3}$ $4\frac{2}{7} = \frac{30}{7}$

$2\frac{2}{7} = \frac{16}{7}$ $1\frac{2}{7} = \frac{9}{7}$ $1\frac{1}{8} = \frac{9}{8}$ $4\frac{1}{6} = \frac{25}{6}$

$5\frac{2}{4} = \frac{22}{4}$ $1\frac{2}{4} = \frac{6}{4}$ $2\frac{1}{2} = \frac{5}{2}$ $3\frac{4}{7} = \frac{25}{7}$
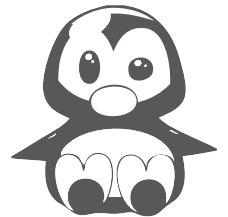

Convert these mixed numbers into improper fractions.

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

$5\frac{7}{7} = \frac{42}{7}$ $4\frac{2}{5} = \frac{22}{5}$ $2\frac{2}{6} = \frac{14}{6}$

$5\frac{2}{4} = \frac{22}{4}$ $6\frac{1}{5} = \frac{31}{5}$ $1\frac{3}{9} = \frac{12}{9}$ $2\frac{3}{5} = \frac{13}{5}$

$2\frac{1}{6} = \frac{13}{6}$ $3\frac{1}{5} = \frac{16}{5}$ $5\frac{3}{3} = \frac{18}{3}$ $4\frac{2}{8} = \frac{34}{8}$

$1\frac{2}{8} = \frac{10}{8}$ $2\frac{2}{5} = \frac{12}{5}$ $3\frac{2}{5} = \frac{17}{5}$ $5\frac{2}{5} = \frac{27}{5}$

$2\frac{1}{4} = \frac{9}{4}$ $5\frac{2}{3} = \frac{17}{3}$ $3\frac{2}{8} = \frac{26}{8}$ $1\frac{2}{9} = \frac{11}{9}$

$9\frac{2}{4} = \frac{38}{4}$ $7\frac{2}{3} = \frac{23}{3}$ $5\frac{1}{3} = \frac{16}{3}$ $4\frac{2}{8} = \frac{34}{8}$

$2\frac{2}{6} = \frac{14}{6}$ $1\frac{2}{7} = \frac{9}{7}$ $1\frac{1}{7} = \frac{8}{7}$ $4\frac{2}{6} = \frac{26}{6}$

$5\frac{2}{6} = \frac{32}{6}$ $1\frac{2}{3} = \frac{5}{4}$ $3\frac{1}{2} = \frac{7}{2}$ $3\frac{4}{6} = \frac{22}{6}$
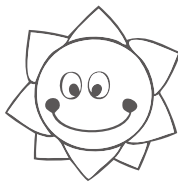

Convert these improper fractions into mixed numbers

$\frac{13}{6} = 2\frac{1}{6}$ $\frac{10}{3} = 3\frac{1}{3}$ $\frac{4}{3} = 1\frac{1}{3}$

$\frac{47}{8} = 5\frac{7}{8}$ $\frac{26}{6} = 4\frac{2}{6}$ $\frac{16}{7} = 2\frac{2}{7}$

$\frac{27}{5} = 5\frac{2}{5}$ $\frac{37}{6} = 6\frac{1}{6}$ $\frac{11}{9} = 1\frac{2}{9}$ $\frac{12}{5} = 2\frac{2}{5}$

$\frac{17}{8} = 2\frac{1}{8}$ $\frac{17}{5} = 3\frac{2}{5}$ $\frac{23}{4} = 5\frac{3}{4}$ $\frac{33}{8} = 4\frac{1}{8}$

$\frac{11}{9} = 1\frac{2}{9}$ $\frac{10}{4} = 2\frac{2}{4}$ $\frac{20}{6} = 3\frac{2}{6}$ $\frac{17}{3} = 5\frac{2}{3}$

$\frac{7}{3} = 2\frac{1}{3}$ $\frac{32}{6} = 5\frac{2}{6}$ $\frac{25}{8} = 3\frac{1}{8}$ $\frac{10}{9} = 1\frac{1}{9}$

$\frac{47}{5} = 9\frac{2}{5}$ $\frac{23}{3} = 7\frac{2}{3}$ $\frac{16}{3} = 5\frac{1}{3}$ $\frac{30}{7} = 4\frac{2}{7}$

$\frac{16}{7} = 2\frac{2}{7}$ $\frac{9}{7} = 1\frac{2}{7}$ $\frac{9}{8} = 1\frac{1}{8}$ $\frac{25}{6} = 4\frac{1}{6}$

$\frac{22}{4} = 5\frac{2}{4}$ $\frac{6}{4} = 1\frac{2}{4}$ $\frac{5}{2} = 2\frac{1}{2}$ $\frac{25}{7} = 3\frac{4}{7}$

Convert these improper fractions into mixed numbers.

$\frac{14}{5} = 2\frac{4}{5}$ $\frac{13}{4} = 3\frac{1}{4}$ $\frac{6}{5} = 1\frac{1}{5}$

$\frac{42}{7} = 5\frac{7}{7}$ $\frac{22}{5} = 4\frac{2}{5}$ $\frac{14}{6} = 2\frac{2}{6}$

$\frac{22}{4} = 5\frac{2}{4}$ $\frac{31}{5} = 6\frac{1}{5}$ $\frac{10}{8} = 1\frac{2}{8}$ $\frac{14}{6} = 2\frac{2}{6}$

$\frac{15}{7} = 2\frac{1}{7}$ $\frac{14}{4} = 3\frac{2}{4}$ $\frac{28}{5} = 5\frac{3}{5}$ $\frac{29}{7} = 4\frac{1}{7}$

$\frac{11}{8} = 1\frac{3}{8}$ $\frac{14}{6} = 2\frac{2}{6}$ $\frac{23}{7} = 3\frac{2}{7}$ $\frac{12}{2} = 5\frac{2}{2}$

$\frac{5}{2} = 2\frac{1}{2}$ $\frac{22}{4} = 5\frac{2}{4}$ $\frac{19}{6} = 3\frac{1}{6}$ $\frac{11}{9} = 1\frac{2}{9}$

$\frac{38}{4} = 9\frac{2}{4}$ $\frac{16}{2} = 7\frac{2}{2}$ $\frac{21}{4} = 5\frac{1}{4}$ $\frac{18}{4} = 4\frac{2}{4}$

$\frac{10}{4} = 2\frac{2}{4}$ $\frac{7}{5} = 1\frac{2}{5}$ $\frac{8}{7} = 1\frac{1}{7}$ $\frac{21}{5} = 4\frac{1}{5}$

$\frac{32}{6} = 5\frac{2}{6}$ $\frac{5}{3} = 1\frac{2}{3}$ $\frac{3}{2} = 1\frac{1}{2}$ $\frac{22}{6} = 3\frac{4}{6}$

Calculate these fractions of sets

$\frac{1}{2}$ of 150 = 75 $\frac{1}{3}$ of 60 = 20

$\frac{1}{3}$ of 75 = 25 $\frac{1}{4}$ of 80 = 20

$\frac{1}{2}$ of 100 = 50 $\frac{1}{3}$ of 150 = 50

$\frac{1}{2}$ of 90 = 45 $\frac{1}{2}$ of 180 = 90 $\frac{1}{2}$ of 104 = 52

$\frac{1}{5}$ of 150 = 30 $\frac{1}{3}$ of 90 = 30 $\frac{1}{3}$ of 123 = 41

$\frac{1}{6}$ of 120 = 20 $\frac{1}{10}$ of 150 = 15 $\frac{1}{2}$ of 170 = 85

$\frac{1}{4}$ of 200 = 50 $\frac{1}{2}$ of 110 = 55 $\frac{1}{2}$ of 130 = 65

$\frac{1}{4}$ of 160 = 40 $\frac{1}{2}$ of 70 = 35 $\frac{1}{4}$ of 120 = 30

$\frac{1}{2}$ of 60 = 30 $\frac{1}{3}$ of 180 = 60 $\frac{1}{3}$ of 99 = 33

$\frac{1}{7}$ of 140 = 20 $\frac{1}{4}$ of 200 = 50 $\frac{1}{2}$ of 104 = 52

$\frac{1}{9}$ of 90 = 10 $\frac{1}{6}$ of 180 = 30 $\frac{1}{5}$ of 100 = 20

$\frac{1}{8}$ of 160 = 20 $\frac{1}{3}$ of 120 = 40 $\frac{1}{7}$ of 210 = 30

Calculate these fractions of sets

$\frac{1}{2}$ of 100 = 50 $\frac{1}{2}$ of 120 = 60

$\frac{1}{3}$ of 150 = 50 $\frac{1}{2}$ of 140 = 70

$\frac{1}{2}$ of 180 = 90 $\frac{1}{2}$ of 160 = 80

$\frac{1}{5}$ of 150 = 30 $\frac{1}{4}$ of 160 = 40 $\frac{1}{2}$ of 124 = 62

$\frac{1}{5}$ of 120 = 24 $\frac{1}{3}$ of 180 = 60 $\frac{1}{4}$ of 180 = 45

$\frac{1}{4}$ of 200 = 50 $\frac{1}{4}$ of 320 = 80 $\frac{1}{3}$ of 297 = 99

$\frac{1}{2}$ of 110 = 55 $\frac{1}{3}$ of 210 = 70 $\frac{1}{2}$ of 176 = 88

$\frac{1}{5}$ of 220 = 44 $\frac{1}{6}$ of 120 = 20 $\frac{1}{3}$ of 264 = 88

$\frac{1}{7}$ of 140 = 20 $\frac{1}{8}$ of 160 = 20 $\frac{1}{2}$ of 198 = 99

$\frac{1}{9}$ of 270 = 30 $\frac{1}{5}$ of 250 = 50 $\frac{1}{2}$ of 102 = 51

$\frac{1}{2}$ of 130 = 65 $\frac{1}{7}$ of 280 = 40 $\frac{1}{3}$ of 270 = 90

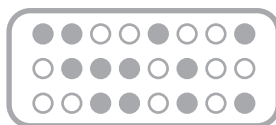$\frac{1}{9}$ of 180 = 20 $\frac{1}{6}$ of 240 = 40 $\frac{1}{2}$ of 190 = 95
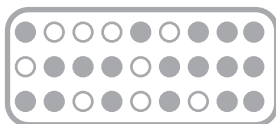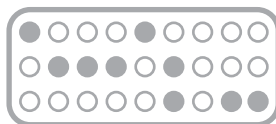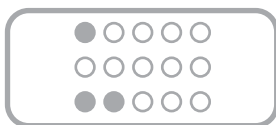
What fraction of each set is shaded?
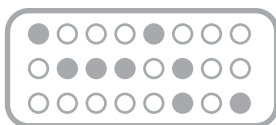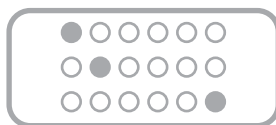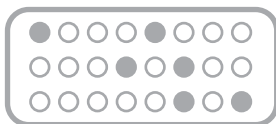

$\frac{1}{3}$
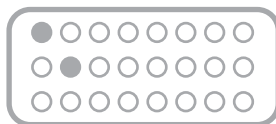

$\frac{1}{2}$

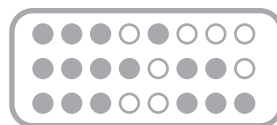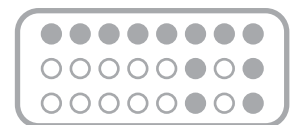$\frac{2}{3}$

$\frac{1}{3}$

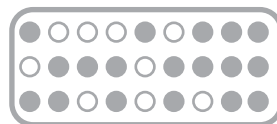$\frac{1}{5}$

$\frac{1}{6}$

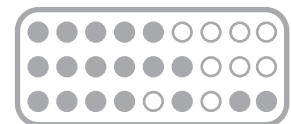$\frac{1}{4}$

$\frac{1}{12}$

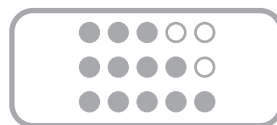What fraction of each set is not shaded?
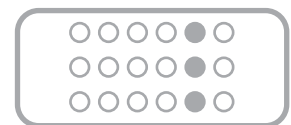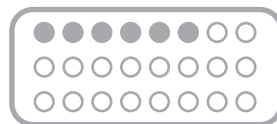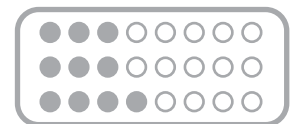

$\frac{1}{3}$

$\frac{1}{2}$

$\frac{1}{3}$

$\frac{1}{3}$

$\frac{1}{5}$

$\frac{5}{6}$

$\frac{3}{4}$

$\frac{7}{12}$

Convert these fractions into decimals

$\frac{1}{2}$ = 0.5 $\frac{1}{10}$ = 0.1 $\frac{1}{4}$ = 0.25
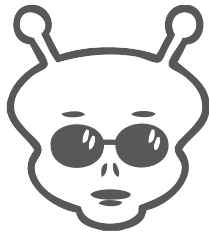
$\frac{1}{100}$ = 0.01 $\frac{2}{20}$ = 0.1 $\frac{2}{100}$ = 0.02

$\frac{10}{100}$ = 0.1 $\frac{1}{5}$ = 0.2 $\frac{50}{100}$ = 0.5 $\frac{4}{10}$ = 0.4

$\frac{12}{100}$ = 0.12 $\frac{3}{10}$ = 0.3 $\frac{3}{4}$ = 0.75 $\frac{7}{10}$ = 0.7

$\frac{3}{5}$ = 0.6 $\frac{2}{4}$ = 0.5 $\frac{37}{100}$ = 0.37 $\frac{6}{10}$ = 0.6

$\frac{1}{50}$ = 0.02 $\frac{1}{25}$ = 0.04 $\frac{1}{20}$ = 0.05 $\frac{9}{10}$ = 0.9

$\frac{2}{50}$ = 0.04 $\frac{2}{25}$ = 0.08 $\frac{10}{20}$ = 0.5 $\frac{5}{25}$ = 0.2

$\frac{99}{100}$ = 0.99 $\frac{4}{10}$ = 0.4 $\frac{65}{100}$ = 0.65 $\frac{9}{25}$ = 0.36

$\frac{2}{200}$ = 0.01 $\frac{7}{50}$ = 0.14 $\frac{13}{100}$ = 0.13 $\frac{10}{10}$ = 1
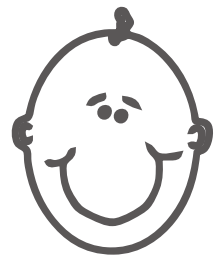

Convert these fractions into decimals

$\frac{4}{8}$ = 0.5 $\frac{6}{20}$ = 0.3 $\frac{6}{8}$ = 0.75

$\frac{51}{100}$ = 0.51 $\frac{9}{20}$ = 0.45 $\frac{7}{100}$ = 0.07

$\frac{11}{100}$ = 0.11 $\frac{3}{6}$ = 0.5 $\frac{40}{100}$ = 0.4 $\frac{9}{18}$ = 0.5

$\frac{25}{100}$ = 0.25 $\frac{3}{20}$ = 0.15 $\frac{1}{4}$ = 0.25 $\frac{4}{10}$ = 0.4

$\frac{4}{5}$ = 0.8 $\frac{2}{8}$ = 0.25 $\frac{44}{100}$ = 0.44 $\frac{5}{10}$ = 0.5

$\frac{9}{50}$ = 0.18 $\frac{5}{25}$ = 0.2 $\frac{3}{20}$ = 0.15 $\frac{8}{10}$ = 0.8

$\frac{3}{50}$ = 0.06 $\frac{4}{25}$ = 0.16 $\frac{15}{20}$ = 0.75 $\frac{20}{25}$ = 0.8

$\frac{91}{100}$ = 0.91 $\frac{1}{10}$ = 0.1 $\frac{15}{100}$ = 0.15 $\frac{24}{25}$ = 0.96

$\frac{4}{200}$ = 0.02 $\frac{8}{50}$ = 0.16 $\frac{15}{100}$ = 0.15 $\frac{15}{15}$ = 1
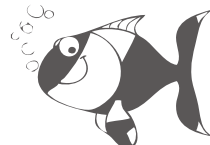

Convert these decimals into fractions (lowest terms!)

0.5 = $\frac{1}{2}$ 0.3 = $\frac{3}{10}$ 0.45 = $\frac{9}{20}$

0.01 = $\frac{1}{100}$ 0.05 = $\frac{1}{20}$ 0.06 = $\frac{3}{50}$

0.1 = $\frac{1}{10}$ 0.2 = $\frac{1}{5}$ 0.35 = $\frac{7}{20}$ 0.8 = $\frac{4}{5}$

0.12 = $\frac{3}{25}$ 0.7 = $\frac{7}{10}$ 0.75 = $\frac{3}{4}$ 0.21 = $\frac{21}{100}$

0.6 = $\frac{3}{5}$ 0.25 = $\frac{1}{4}$ 0.37 = $\frac{37}{100}$ 0.85 = $\frac{17}{20}$

0.02 = $\frac{1}{50}$ 0.08 = $\frac{2}{25}$ 0.05 = $\frac{1}{20}$ 0.09 = $\frac{9}{100}$

0.04 = $\frac{1}{25}$ 0.16 = $\frac{4}{25}$ 0.15 = $\frac{3}{20}$ 0.22 = $\frac{11}{50}$

0.99 = $\frac{99}{100}$ 0.14 = $\frac{7}{50}$ 0.65 = $\frac{13}{20}$ 0.36 = $\frac{9}{25}$

0.02 = $\frac{2}{100}$ 0.28 = $\frac{7}{25}$ 0.13 = $\frac{13}{100}$ 1.1 = $\frac{11}{10}$

Use your skills and solve this puzzle!

Across
2. half of 50
4. seven-tenths of 50
5. three-fourths of 28
8. two-fifths of 30
10. four-eights of 40
12. one-third of 96
13. one-fourth of 200
16. four-fifths of 30

Down
1. three fourths of 20
2. three eighths of 64
3. one-fifth of 125
6. one-sixth of 108
7. three sevenths of 49
9. four-fifths of 25
10. three ninths of 81
11. two-fifths of 25
12. six-twentieths of 100
14. one-third of 45
15. four-ninths of 90
17. three fifths of 20