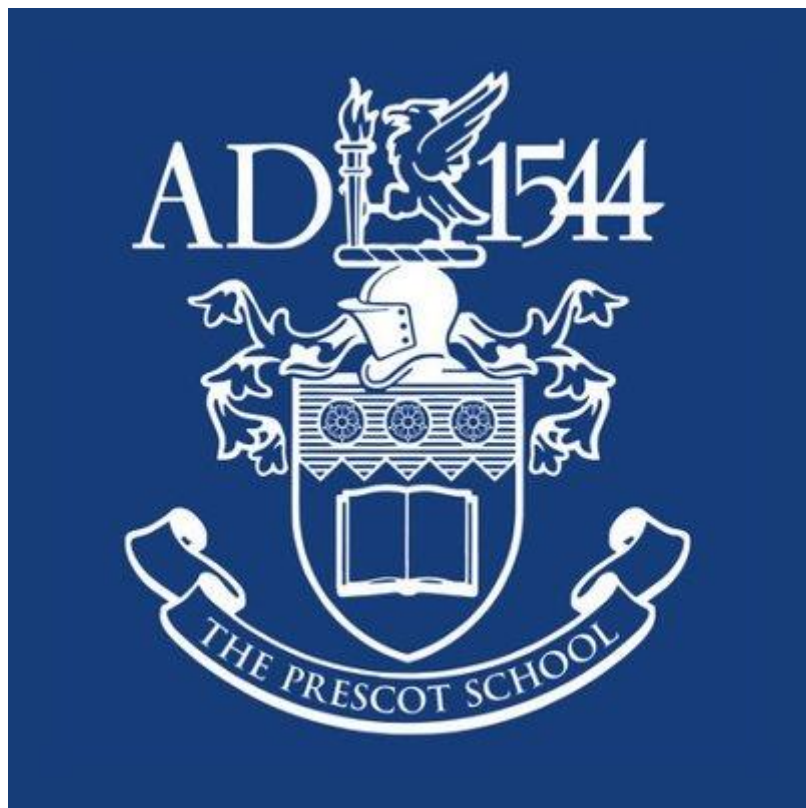


Mathematics Skill Booklet



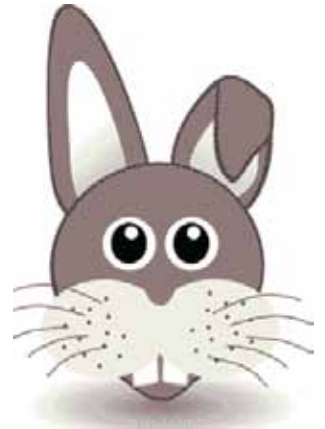
KS4 (2)

Multiplying 4 digits by 1 digit

Calculate and fill in the boxes

$$\begin{array}{r} 2,815 \\ \times \quad 7 \\ \hline \square\square\square\square\square \end{array}$$

$$\begin{array}{r} 1,150 \\ \times \quad 9 \\ \hline \square\square\square\square\square \end{array}$$



$$\begin{array}{r} 2,498 \\ \times \quad 6 \\ \hline \square\square\square\square\square \end{array}$$

$$\begin{array}{r} 3,090 \\ \times \quad 9 \\ \hline \square\square\square\square\square \end{array}$$

$$\begin{array}{r} 5,501 \\ \times \quad 4 \\ \hline \square\square\square\square\square \end{array}$$

$$\begin{array}{r} 4,500 \\ \times \quad 4 \\ \hline \square\square\square\square\square \end{array}$$

$$\begin{array}{r} 3,999 \\ \times \quad 7 \\ \hline \square\square\square\square\square \end{array}$$

$$\begin{array}{r} 3,400 \\ \times \quad 9 \\ \hline \square\square\square\square\square \end{array}$$

$$\begin{array}{r} 4,160 \\ \times \quad 4 \\ \hline \square\square\square\square\square \end{array}$$

$$\begin{array}{r} 3,498 \\ \times \quad 4 \\ \hline \square\square\square\square\square \end{array}$$

$$\begin{array}{r} 3,699 \\ \times \quad 5 \\ \hline \square\square\square\square\square \end{array}$$

$$\begin{array}{r} 6,300 \\ \times \quad 8 \\ \hline \square\square\square\square\square \end{array}$$

$$\begin{array}{r} 4,113 \\ \times \quad 7 \\ \hline \square\square\square\square\square \end{array}$$

$$\begin{array}{r} 3,004 \\ \times \quad 6 \\ \hline \square\square\square\square\square \end{array}$$

Complete the table

	Round of the nearest:		
Number	Ten	Hundred	Thousand
345			
1,245			
99			
9,987			
4,560			
749			
3,456			
301			
9			
999			
5,761			
4,098			
3,987			
51			
4,049			

Mixed numbers and improper fractions

Convert these mixed numbers into improper fractions.

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

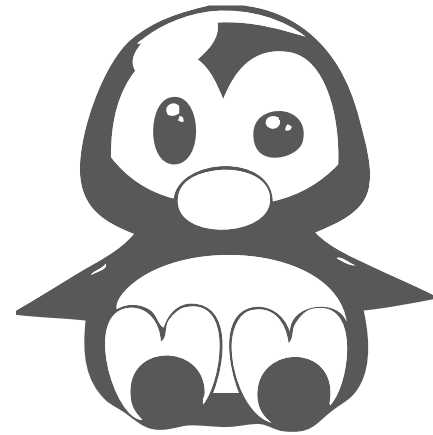
$3\frac{1}{4} =$

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

$5\frac{7}{7} =$

$4\frac{2}{5} =$

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



$5\frac{2}{4} =$

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

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

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

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

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

$5\frac{3}{3} =$

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

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

$2\frac{2}{5} =$

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

$5\frac{2}{5} =$

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

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

$3\frac{2}{8} =$

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

$9\frac{2}{4} =$

$7\frac{2}{3} =$

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

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

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

$1\frac{2}{7} =$

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

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

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

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

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

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

Improper fractions and mixed numbers

Convert these improper fractions into mixed numbers.

$$\frac{14}{5} =$$

$$\frac{13}{4} =$$

$$\frac{6}{5} =$$

$$\frac{42}{7} =$$

$$\frac{22}{5} =$$

$$\frac{14}{6} =$$



$$\frac{22}{4} =$$

$$\frac{31}{5} =$$

$$\frac{10}{8} =$$

$$\frac{14}{6} =$$

$$\frac{15}{7} =$$

$$\frac{14}{4} =$$

$$\frac{28}{5} =$$

$$\frac{29}{7} =$$

$$\frac{11}{8} =$$

$$\frac{14}{6} =$$

$$\frac{23}{7} =$$

$$\frac{12}{2} =$$

$$\frac{5}{2} =$$

$$\frac{22}{4} =$$

$$\frac{19}{6} =$$

$$\frac{11}{9} =$$

$$\frac{38}{4} =$$

$$\frac{16}{2} =$$

$$\frac{21}{4} =$$

$$\frac{18}{4} =$$

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

$$\frac{7}{5} =$$

$$\frac{8}{7} =$$

$$\frac{21}{5} =$$

$$\frac{32}{6} =$$

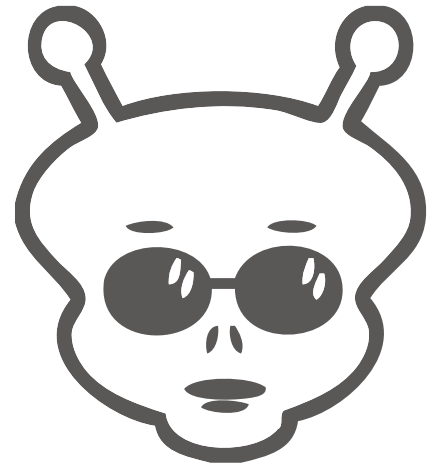
$$\frac{5}{3} =$$

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

$$\frac{22}{6} =$$

Conversion of Fractions into Decimals

Convert these fractions into decimals



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

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

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

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

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

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

$$\frac{10}{100} =$$

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

$$\frac{50}{100} =$$

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

$$\frac{12}{100} =$$

$$\frac{3}{10} =$$

$$\frac{3}{4} =$$

$$\frac{7}{10} =$$

$$\frac{3}{5} =$$

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

$$\frac{37}{100} =$$

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

$$\frac{1}{50} =$$

$$\frac{1}{25} =$$

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

$$\frac{9}{10} =$$

$$\frac{2}{50} =$$

$$\frac{2}{25} =$$

$$\frac{10}{20} =$$

$$\frac{5}{25} =$$

$$\frac{99}{100} =$$

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

$$\frac{65}{100} =$$

$$\frac{9}{25} =$$

$$\frac{2}{200} =$$

$$\frac{7}{50} =$$

$$\frac{13}{100} =$$

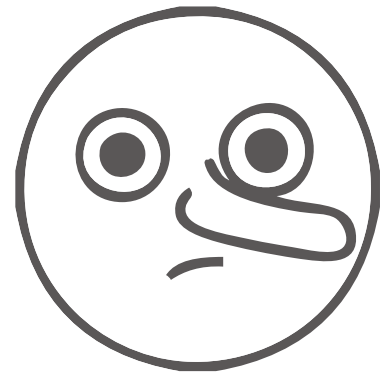
$$\frac{10}{10} =$$

Multiplying decimal numbers

Multiply

$2.4 \times 5.2 =$

$6.2 \times 7.7 =$



$5.5 \times 2.8 =$

$7.1 \times 3.7 =$

$8.4 \times 3.4 =$

$2.6 \times 1.3 =$

$5.5 \times 4.2 =$

$2.9 \times 1.9 =$

$3 \times 3.6 =$

$9.1 \times 4.8 =$

$9.5 \times 2.2 =$

$2.3 \times 2.6 =$

$2 \times 4.7 =$

$7.5 \times 2.5 =$

$9.5 \times 4.1 =$

$8.5 \times 5.2 =$

$9.2 \times 8.2 =$

$7.2 \times 2.4 =$

$4.1 \times 2.5 =$

$5.7 \times 1.5 =$

$3.8 \times 1.4 =$

$7.5 \times 2.9 =$

$0.7 \times 0.5 =$

$5.1 \times 1.5 =$

$2.8 \times 2.3 =$

Dividing decimal numbers

Divide.

$4.8 \div 8 =$

$4.5 \div 3 =$

$2.45 \div 7 =$

$6.4 \div 4 =$



$6.8 \div 2 =$

$3.08 \div 2 =$

$2.7 \div 3 =$

$4.62 \div 3 =$

$4.95 \div 9 =$

$6.3 \div 3 =$

$4.05 \div 3 =$

$9.6 \div 3 =$

$4.6 \div 4 =$

$0.9 \div 3 =$

$7.5 \div 6 =$

$6 \div 5 =$

$9.5 \div 2 =$

$0.9 \div 3 =$

$7.8 \div 6 =$

$2.4 \div 4 =$

$6.8 \div 4 =$

$2.4 \div 3 =$

$4.25 \div 5 =$

$4.8 \div 8 =$

$9 \div 4 =$

Calculate these fractions of sets (round off to the nearest hundredth).

$$\frac{1}{2} \text{ of } 135 =$$

$$\frac{1}{3} \text{ of } 80 =$$

$$\frac{1}{3} \text{ of } 50 =$$

$$\frac{1}{4} \text{ of } 30 =$$

$$\frac{1}{2} \text{ of } 105 =$$

$$\frac{1}{3} \text{ of } 170 =$$

$$\frac{1}{2} \text{ of } 93 =$$

$$\frac{1}{2} \text{ of } 191 =$$

$$\frac{1}{2} \text{ of } 176 =$$

$$\frac{1}{5} \text{ of } 153 =$$

$$\frac{1}{3} \text{ of } 95 =$$

$$\frac{1}{3} \text{ of } 190 =$$

$$\frac{1}{6} \text{ of } 110 =$$

$$\frac{1}{10} \text{ of } 155 =$$

$$\frac{1}{2} \text{ of } 165 =$$

$$\frac{1}{4} \text{ of } 225 =$$

$$\frac{1}{8} \text{ of } 140 =$$

$$\frac{1}{3} \text{ of } 125 =$$

$$\frac{1}{4} \text{ of } 174 =$$

$$\frac{1}{9} \text{ of } 70 =$$

$$\frac{1}{4} \text{ of } 124 =$$

$$\frac{1}{6} \text{ of } 60 =$$

$$\frac{1}{8} \text{ of } 180 =$$

$$\frac{1}{9} \text{ of } 99 =$$

$$\frac{1}{7} \text{ of } 147 =$$

$$\frac{1}{4} \text{ of } 244 =$$

$$\frac{1}{6} \text{ of } 104 =$$

$$\frac{1}{9} \text{ of } 50 =$$

$$\frac{1}{6} \text{ of } 150 =$$

$$\frac{1}{5} \text{ of } 110 =$$

$$\frac{1}{8} \text{ of } 190 =$$

$$\frac{1}{3} \text{ of } 200 =$$

$$\frac{1}{7} \text{ of } 200 =$$



Addition of Mixed Numbers

Calculate and show your answers in the lowest terms

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

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

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

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

$$5\frac{3}{7} + 1\frac{1}{6} =$$

$$1\frac{1}{8} + 1\frac{2}{9} =$$

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

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

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

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

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

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

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

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

$$7\frac{1}{4} + 1\frac{6}{7} =$$

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

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

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

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

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

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

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

$$1\frac{1}{8} + 1\frac{8}{9} =$$

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



Divide and express your answers in the lowest possible terms

$$\frac{1}{3} \div 4 =$$

$$\frac{4}{5} \div 3 =$$

$$\frac{2}{4} \div 5 =$$

$$\frac{1}{3} \div 4 =$$

$$\frac{3}{3} \div 4 =$$

$$\frac{2}{7} \div 4 =$$



$$\frac{1}{8} \div 7 =$$

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

$$\frac{2}{6} \div 8 =$$

$$\frac{5}{6} \div 5 =$$

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

$$\frac{2}{7} \div 5 =$$

$$\frac{1}{6} \div 8 =$$

$$\frac{1}{5} \div 3 =$$

$$\frac{1}{5} \div 9 =$$

$$\frac{4}{9} \div 3 =$$

$$\frac{3}{8} \div 9 =$$

$$\frac{3}{2} \div 4 =$$

$$\frac{4}{5} \div 2 =$$

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

$$\frac{4}{5} \div 3 =$$

$$\frac{3}{4} \div 4 =$$

$$\frac{2}{7} \div 2 =$$

$$\frac{1}{9} \div 8 =$$

$$\frac{5}{4} \div 4 =$$

Multiplying Fractions

Multiply and express your answers in mixed numbers



$$\frac{1}{3} \times 4 =$$

$$\frac{2}{5} \times 8 =$$

$$\frac{2}{4} \times 5 =$$

$$\frac{2}{7} \times 9 =$$

$$\frac{1}{7} \times 9 =$$

$$\frac{1}{3} \times 7 =$$

$$\frac{1}{2} \times 9 =$$

$$\frac{2}{5} \times 4 =$$

$$\frac{1}{4} \times 5 =$$

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

$$\frac{4}{3} \times 4 =$$

$$\frac{1}{2} \times 5 =$$

$$\frac{1}{3} \times 5 =$$

$$\frac{2}{3} \times 11 =$$

$$\frac{1}{6} \times 8 =$$

$$\frac{5}{3} \times 4 =$$

$$\frac{1}{5} \times 9 =$$

$$\frac{1}{7} \times 9 =$$

$$\frac{3}{8} \times 4 =$$

$$\frac{2}{7} \times 4 =$$

$$\frac{1}{6} \times 9 =$$

$$\frac{1}{5} \times 24 =$$

$$\frac{1}{4} \times 39 =$$

$$\frac{6}{7} \times 4 =$$

$$\frac{4}{5} \times 4 =$$

Convert the following fractions into percents (round off to the nearest hundredth)

$$\frac{1}{3} = \underline{\hspace{2cm}} \%$$

$$\frac{4}{6} = \underline{\hspace{2cm}} \%$$

$$\frac{1}{6} = \underline{\hspace{2cm}} \%$$

$$\frac{2}{7} = \underline{\hspace{2cm}} \%$$

$$\frac{2}{3} = \underline{\hspace{2cm}} \%$$

$$\frac{1}{9} = \underline{\hspace{2cm}} \%$$

$$\frac{3}{7} = \underline{\hspace{2cm}} \%$$

$$\frac{1}{8} = \underline{\hspace{2cm}} \%$$

$$\frac{1}{11} = \underline{\hspace{2cm}} \%$$

$$\frac{2}{13} = \underline{\hspace{2cm}} \%$$

$$\frac{3}{14} = \underline{\hspace{2cm}} \%$$

$$\frac{5}{9} = \underline{\hspace{2cm}} \%$$

$$\frac{1}{3} = \underline{\hspace{2cm}} \%$$

$$\frac{1}{7} = \underline{\hspace{2cm}} \%$$

$$\frac{6}{8} = \underline{\hspace{2cm}} \%$$

$$\frac{1}{2} = \underline{\hspace{2cm}} \%$$

$$\frac{4}{3} = \underline{\hspace{2cm}} \%$$

$$\frac{6}{7} = \underline{\hspace{2cm}} \%$$

$$\frac{4}{5} = \underline{\hspace{2cm}} \%$$

$$\frac{2}{6} = \underline{\hspace{2cm}} \%$$

$$\frac{9}{9} = \underline{\hspace{2cm}} \%$$

$$\frac{8}{7} = \underline{\hspace{2cm}} \%$$

$$\frac{5}{8} = \underline{\hspace{2cm}} \%$$

$$\frac{9}{3} = \underline{\hspace{2cm}} \%$$

$$\frac{8}{2} = \underline{\hspace{2cm}} \%$$

$$\frac{3}{17} = \underline{\hspace{2cm}} \%$$

$$\frac{1}{25} = \underline{\hspace{2cm}} \%$$

$$\frac{1}{50} = \underline{\hspace{2cm}} \%$$

$$\frac{1}{75} = \underline{\hspace{2cm}} \%$$



Calculate the following percentages

$25\% \text{ of } 150 =$

$40\% \text{ of } 180 =$

$15\% \text{ of } 170 =$

$10\% \text{ of } 160 =$

$35\% \text{ of } 150 =$

$60\% \text{ of } 145 =$

$42\% \text{ of } 200 =$

$50\% \text{ of } 198 =$

$61\% \text{ of } 450 =$

$48\% \text{ of } 325 =$

$90\% \text{ of } 400 =$

$72\% \text{ of } 250 =$

$65\% \text{ of } 190 =$

$75\% \text{ of } 150 =$

$60\% \text{ of } 153 =$

$80\% \text{ of } 110 =$

$95\% \text{ of } 160 =$

$15\% \text{ of } 500 =$

$15\% \text{ of } 320 =$

$75\% \text{ of } 170 =$

$18\% \text{ of } 150 =$

$30\% \text{ of } 100 =$

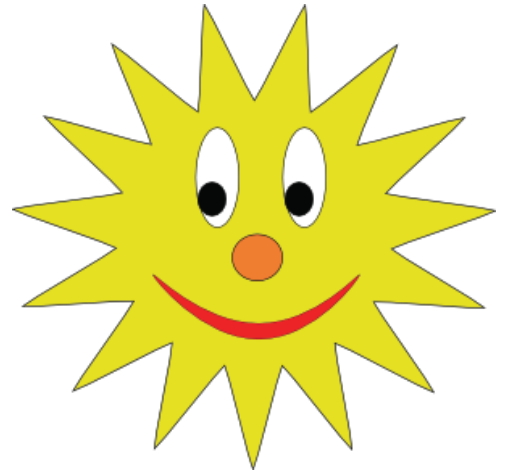
$37\% \text{ of } 150 =$

$25\% \text{ of } 270 =$

$92\% \text{ of } 250 =$

$49\% \text{ of } 250 =$

$33\% \text{ of } 200 =$



Dividing Fractions by Fractions

Divide and express your answers in mixed numbers if possible

$$\frac{1}{4} \div \frac{1}{3} =$$

$$\frac{3}{4} \div \frac{5}{6} =$$

$$\frac{2}{4} \div \frac{1}{3} =$$

$$\frac{2}{11} \div \frac{1}{8} =$$

$$\frac{3}{11} \div \frac{1}{3} =$$

$$\frac{1}{5} \div \frac{1}{7} =$$

$$\frac{2}{4} \div \frac{1}{9} =$$

$$\frac{1}{3} \div \frac{2}{7} =$$

$$\frac{1}{4} \div \frac{1}{9} =$$

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

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

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

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

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

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

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

$$\frac{1}{4} \div \frac{8}{3} =$$

$$\frac{1}{3} \div \frac{4}{3} =$$

$$\frac{3}{7} \div \frac{1}{6} =$$

$$\frac{3}{4} \div \frac{3}{4} =$$

$$\frac{4}{6} \div \frac{1}{6} =$$

$$\frac{3}{2} \div \frac{1}{4} =$$

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

$$\frac{1}{2} \div \frac{1}{5} =$$

$$\frac{2}{9} \div \frac{1}{4} =$$

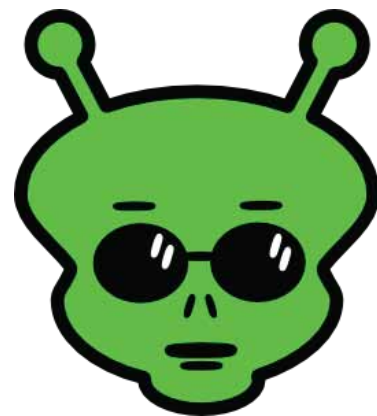
$$\frac{6}{8} \div \frac{7}{6} =$$

$$\frac{1}{4} \div \frac{1}{9} =$$

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

$$\frac{3}{2} \div \frac{1}{4} =$$

$$\frac{1}{8} \div \frac{1}{9} =$$



Dividing Mixed Numbers

Divide and express your answers in mixed numbers if possible

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

$$4\frac{1}{3} \div 2\frac{1}{7} =$$

$$1\frac{3}{4} \div 1\frac{1}{3} =$$

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

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

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

$$3\frac{1}{3} \div 1\frac{4}{5} =$$

$$2\frac{1}{4} \div 1\frac{1}{5} =$$

$$2\frac{1}{7} \div 7\frac{1}{2} =$$

$$2\frac{1}{7} \div 2\frac{3}{4} =$$

$$1\frac{3}{5} \div 1\frac{3}{8} =$$

$$7\frac{1}{2} \div 3\frac{3}{4} =$$

$$1\frac{1}{5} \div 1\frac{4}{6} =$$

$$1\frac{1}{2} \div 1\frac{1}{9} =$$

$$1\frac{1}{6} \div 1\frac{8}{9} =$$

$$4\frac{1}{4} \div 3\frac{1}{2} =$$

$$4\frac{1}{5} \div 1\frac{3}{4} =$$

$$5\frac{1}{2} \div 1\frac{1}{3} =$$

$$1\frac{3}{4} \div 2\frac{1}{2} =$$

$$8\frac{1}{2} \div 1\frac{2}{3} =$$

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

$$1\frac{5}{6} \div 1\frac{1}{3} =$$

$$6\frac{1}{2} \div 1\frac{1}{8} =$$

$$3\frac{1}{3} \div 2\frac{1}{7} =$$

$$7\frac{1}{2} \div 6\frac{1}{2} =$$

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

$$4\frac{1}{2} \div 9\frac{1}{4} =$$



Greatest Common Factors

Find the greatest common factors of the following sets of numbers.

$12 \text{ and } 20 = \underline{\hspace{2cm}}$

$13 \text{ and } 65 = \underline{\hspace{2cm}}$

$35 \text{ and } 18 = \underline{\hspace{2cm}}$

$12 \text{ and } 21 = \underline{\hspace{2cm}}$

$24 \text{ and } 96 = \underline{\hspace{2cm}}$

$15 \text{ and } 75 = \underline{\hspace{2cm}}$

$12 \text{ and } 56 = \underline{\hspace{2cm}}$

$14 \text{ and } 77 = \underline{\hspace{2cm}}$

$11 \text{ and } 78 = \underline{\hspace{2cm}}$

$12 \text{ and } 28 = \underline{\hspace{2cm}}$

$17 \text{ and } 68 = \underline{\hspace{2cm}}$

$18 \text{ and } 28 = \underline{\hspace{2cm}}$

$19 \text{ and } 95 = \underline{\hspace{2cm}}$

$12 \text{ and } 23 = \underline{\hspace{2cm}}$

$14 \text{ and } 84 = \underline{\hspace{2cm}}$

$12 \text{ and } 66 = \underline{\hspace{2cm}}$

$19 \text{ and } 48 = \underline{\hspace{2cm}}$

$17 \text{ and } 68 = \underline{\hspace{2cm}}$

$14 \text{ and } 87 = \underline{\hspace{2cm}}$

$12 \text{ and } 26 = \underline{\hspace{2cm}}$

$30 \text{ and } 45 = \underline{\hspace{2cm}}$

$21 \text{ and } 33 = \underline{\hspace{2cm}}$

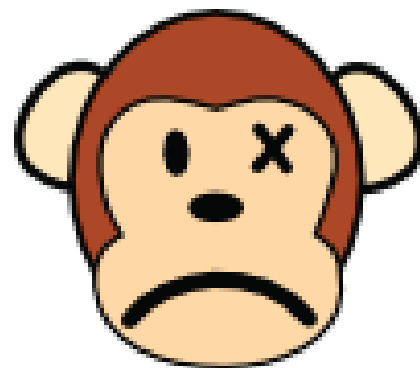
$15 \text{ and } 95 = \underline{\hspace{2cm}}$

$15 \text{ and } 90 = \underline{\hspace{2cm}}$

$16 \text{ and } 64 = \underline{\hspace{2cm}}$

$12 \text{ and } 30 = \underline{\hspace{2cm}}$

$24 \text{ and } 30 = \underline{\hspace{2cm}}$



Lowest Common Multiple

Find the lowest common multiple of the following sets of numbers.

$14 \text{ and } 20 = \underline{\hspace{2cm}}$

$13 \text{ and } 65 = \underline{\hspace{2cm}}$

$24 \text{ and } 18 = \underline{\hspace{2cm}}$

$14 \text{ and } 21 = \underline{\hspace{2cm}}$

$12 \text{ and } 96 = \underline{\hspace{2cm}}$

$15 \text{ and } 75 = \underline{\hspace{2cm}}$



$12 \text{ and } 56 = \underline{\hspace{2cm}}$

$17 \text{ and } 77 = \underline{\hspace{2cm}}$

$12 \text{ and } 78 = \underline{\hspace{2cm}}$

$14 \text{ and } 28 = \underline{\hspace{2cm}}$

$15 \text{ and } 72 = \underline{\hspace{2cm}}$

$7 \text{ and } 28 = \underline{\hspace{2cm}}$

$19 \text{ and } 95 = \underline{\hspace{2cm}}$

$12 \text{ and } 30 = \underline{\hspace{2cm}}$

$14 \text{ and } 84 = \underline{\hspace{2cm}}$

$12 \text{ and } 64 = \underline{\hspace{2cm}}$

$18 \text{ and } 48 = \underline{\hspace{2cm}}$

$17 \text{ and } 68 = \underline{\hspace{2cm}}$

$17 \text{ and } 68 = \underline{\hspace{2cm}}$

$12 \text{ and } 26 = \underline{\hspace{2cm}}$

$30 \text{ and } 45 = \underline{\hspace{2cm}}$

$21 \text{ and } 33 = \underline{\hspace{2cm}}$

$15 \text{ and } 95 = \underline{\hspace{2cm}}$

$15 \text{ and } 80 = \underline{\hspace{2cm}}$

$16 \text{ and } 64 = \underline{\hspace{2cm}}$

$15 \text{ and } 30 = \underline{\hspace{2cm}}$

$24 \text{ and } 30 = \underline{\hspace{2cm}}$

Calculate the percents of each number (round off to nearest tenth)

14 is 12 % of _____

25 is 3 % of _____

35 is 15 % of _____

20 is 17 % of _____

18 is 28 % of _____

15 is 35 % of _____

21 is 20 % of _____

45 is 12 % of _____

88 is 15 % of _____

75 is 25 % of _____

22 is 30 % of _____

98 is 50 % of _____

32 is 34 % of _____

24 is 12 % of _____



25 is 22 % of _____

90 is 15 % of _____

16 is 64 % of _____

13 is 60 % of _____

36 is 40 % of _____

82 is 25 % of _____

67 is 23 % of _____

72 is 12 % of _____

12 is 16 % of _____

18 is 80 % of _____

26 is 45 % of _____

Multiplying fractions by decimals

Calculate and round your answers off to the nearest tenth



$$\frac{1}{4} \times 2.4 =$$

$$\frac{2}{9} \times 3.5 =$$

$$\frac{2}{7} \times 5.8 =$$

$$\frac{6}{7} \times 8.3 =$$

$$\frac{4}{7} \times 3.3 =$$

$$\frac{1}{7} \times 9.5 =$$

$$\frac{1}{8} \times 9.1 =$$

$$\frac{2}{9} \times 4.4 =$$

$$\frac{1}{6} \times 7.1 =$$

$$\frac{2}{3} \times 8.4 =$$

$$\frac{8}{3} \times 4.9 =$$

$$\frac{1}{7} \times 8.5 =$$

$$\frac{1}{9} \times 5.7 =$$

$$\frac{2}{9} \times 15.3 =$$

$$\frac{3}{6} \times 7.2 =$$

$$\frac{9}{7} \times 4.3 =$$

$$\frac{3}{5} \times 7.9 =$$

$$\frac{4}{7} \times 3.2 =$$

$$\frac{7}{8} \times 8.3 =$$

$$\frac{2}{9} \times 4.9 =$$

$$\frac{1}{7} \times 9.2 =$$

$$\frac{2}{8} \times 24.2 =$$

$$\frac{3}{4} \times 25.4 =$$

$$\frac{3}{7} \times 8.2 =$$

$$\frac{4}{3} \times 3.7 =$$

Divisibility rules of 4, 6, 7 and 9

Are the following numbers divisible by 4, 6, 7 and 9 (no remainders or decimals)?
Complete the tables with yes or no.

385	
By 4	
By 6	
By 7	
By 9	

284	
By 4	
By 6	
By 7	
By 9	



3,424	
By 4	
By 6	
By 7	
By 9	

999	
By 4	
By 6	
By 7	
By 9	

440	
By 4	
By 6	
By 7	
By 9	

738	
By 4	
By 6	
By 7	
By 9	

256	
By 4	
By 6	
By 7	
By 9	

642	
By 4	
By 6	
By 7	
By 9	

264	
By 4	
By 6	
By 7	
By 9	

450	
By 4	
By 6	
By 7	
By 9	

9,448	
By 4	
By 6	
By 7	
By 9	

Between which 2 whole numbers are the following square roots?

$\sqrt{110}$ is between ____ and ____

$\sqrt{150}$ is between ____ and ____

$\sqrt{40}$ is between ____ and ____

$\sqrt{200}$ is between ____ and ____

$\sqrt{70}$ is between ____ and ____

$\sqrt{230}$ is between ____ and ____

$\sqrt{50}$ is between ____ and ____

$\sqrt{122}$ is between ____ and ____

$\sqrt{60}$ is between ____ and ____

$\sqrt{300}$ is between ____ and ____



$\sqrt{10}$ is between ____ and ____

$\sqrt{550}$ is between ____ and ____

$\sqrt{30}$ is between ____ and ____

$\sqrt{270}$ is between ____ and ____

$\sqrt{500}$ is between ____ and ____

$\sqrt{85}$ is between ____ and ____

$\sqrt{190}$ is between ____ and ____

$\sqrt{424}$ is between ____ and ____

Prime factorize of the following numbers.

$64 = \underline{\hspace{2cm}}$

$210 = \underline{\hspace{2cm}}$

$250 = \underline{\hspace{2cm}}$

$125 = \underline{\hspace{2cm}}$

$350 = \underline{\hspace{2cm}}$

$295 = \underline{\hspace{2cm}}$

$100 = \underline{\hspace{2cm}}$

$200 = \underline{\hspace{2cm}}$

$364 = \underline{\hspace{2cm}}$

$88 = \underline{\hspace{2cm}}$



$375 = \underline{\hspace{2cm}}$

$250 = \underline{\hspace{2cm}}$

$98 = \underline{\hspace{2cm}}$

$140 = \underline{\hspace{2cm}}$

$175 = \underline{\hspace{2cm}}$

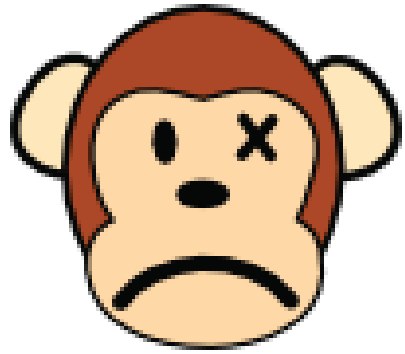
$525 = \underline{\hspace{2cm}}$

$230 = \underline{\hspace{2cm}}$

$110 = \underline{\hspace{2cm}}$

Calculations with 3 Integers

Calculate



$$-13 \times 5 \times -11 =$$

$$25 + -3 \times -20 =$$

$$15 + 8 \times -20 =$$

$$-25 \times -3 \times -11 =$$

$$-34 \times -3 + -62 =$$

$$-14 \times -3 \times 8 =$$

$$-11 \times 4 - -33 =$$

$$10 - 4 \times 12 =$$

$$-22 \times -3 - -23 =$$

$$-10 + 4 \times -10 =$$

$$-11 - 8 \times -12 =$$

$$45 + 8 \times -5 =$$

$$-18 \times 2 \times -22 =$$

$$-35 \times 3 + -12 =$$

$$-15 + 3 - -19 =$$

$$-17 \times 2 \times -15 =$$

$$22 \times 2 + -12 =$$

$$-20 + 4 + -22 =$$

$$-12 \times 3 \times -15 =$$

$$25 + -3 \times -14 =$$

$$-15 \times 2 \times -11 =$$

$$-25 \times -2 + 99 =$$