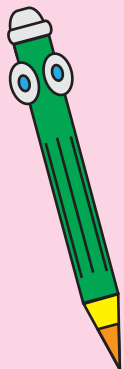


Math in English



Skills IX

Exercise Book

Topics:

Percentages

HCF and LCM

Adding fractions and decimals

Dividing decimals by decimals

Dividing fractions by mixed numbers

Comparing decimals and fractions



This workbook is made for grade 5 and 6 students and can be used as practice material or remedial learning material.

This workbook covers:

- Comparing decimals and fractions (including rounding off to the nearest hundredth)
- Addition of decimals and fractions
- Division of fractions by fractions
- Division of mixed numbers by mixed numbers
- Division of decimals by decimals
- Highest common factors
- Lowest common multiples
- Percents of numbers and percentages of given numbers

This exercise material is excellent practice material for students of any ability level. It can be used as remedial learning and teaching material or as material for those who need to be challenged more.

Compare the following fractions and decimals by using $>$, $<$ or $=$

$1.2 \quad \square \quad 1\frac{3}{9}$

$1.5 \quad \square \quad 1\frac{6}{11}$



$2\frac{4}{12} \quad \square \quad 2.3$

$3\frac{3}{8} \quad \square \quad 3.8$

$7.5 \quad \square \quad 7\frac{4}{9}$

$1.8 \quad \square \quad 1\frac{4}{5}$

$4\frac{4}{11} \quad \square \quad 4.3$

$1\frac{5}{9} \quad \square \quad 1.6$

$5\frac{4}{11} \quad \square \quad 5.5$

$1.9 \quad \square \quad 1\frac{8}{9}$

$2.2 \quad \square \quad 2\frac{2}{9}$

$1.6 \quad \square \quad 1\frac{4}{5}$

$1\frac{5}{6} \quad \square \quad 1.8$

$1\frac{2}{3} \quad \square \quad 1.7$

$1\frac{3}{9} \quad \square \quad 1.3$

$8.2 \quad \square \quad 8\frac{2}{17}$

$1.4 \quad \square \quad 1\frac{8}{20}$

$2.9 \quad \square \quad 2\frac{1}{2}$

$4\frac{3}{12} \quad \square \quad 1.2$

$1\frac{3}{5} \quad \square \quad 1.7$

$1\frac{2}{13} \quad \square \quad 1.2$

$1.1 \quad \square \quad 1\frac{2}{11}$

$3.4 \quad \square \quad 3\frac{4}{9}$

$5.2 \quad \square \quad 5\frac{1}{8}$

$4\frac{3}{9} \quad \square \quad 4.4$

$1\frac{1}{6} \quad \square \quad 1.2$

$1\frac{5}{6} \quad \square \quad 1.8$

Compare the following fractions and decimals by using $>$, $<$ or $=$

$2.1 \quad \square \quad 2\frac{3}{8}$

$1.8 \quad \square \quad 1\frac{9}{11}$

$3\frac{4}{15} \quad \square \quad 3.2$

$7\frac{4}{9} \quad \square \quad 7.8$

$3.5 \quad \square \quad 3\frac{4}{7}$

$6.8 \quad \square \quad 6\frac{4}{5}$

$4\frac{5}{16} \quad \square \quad 4.3$

$1\frac{5}{9} \quad \square \quad 1.5$

$5\frac{4}{15} \quad \square \quad 5.5$

$1.7 \quad \square \quad 1\frac{3}{9}$

$2.1 \quad \square \quad 2\frac{3}{7}$

$1.6 \quad \square \quad 1\frac{3}{6}$

$1\frac{5}{11} \quad \square \quad 1.4$

$1\frac{2}{4} \quad \square \quad 1.6$

$1\frac{3}{7} \quad \square \quad 1.3$

$8.3 \quad \square \quad 8\frac{2}{16}$

$1.6 \quad \square \quad 1\frac{15}{25}$

$2.8 \quad \square \quad 2\frac{1}{2}$

$4\frac{4}{15} \quad \square \quad 4.2$

$1\frac{3}{5} \quad \square \quad 1.7$

$1\frac{2}{13} \quad \square \quad 1.5$

$1.4 \quad \square \quad 1\frac{5}{11}$

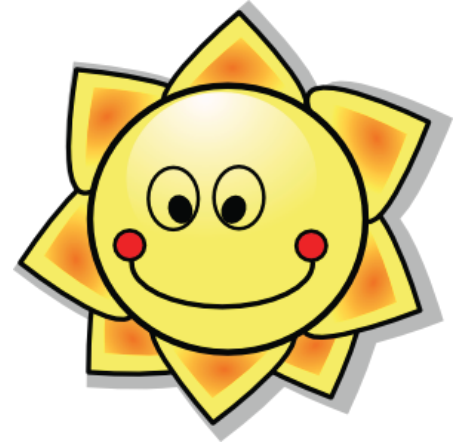
$3.3 \quad \square \quad 3\frac{4}{7}$

$5.1 \quad \square \quad 5\frac{1}{11}$

$4\frac{2}{7} \quad \square \quad 4.2$

$1\frac{1}{7} \quad \square \quad 1.2$

$1\frac{4}{6} \quad \square \quad 1.6$



Adding Fractions and Decimals

Add and express your answer in a decimal (nearest hundredth)

$1.2 + 1\frac{3}{9} =$

$5.3 + 1\frac{3}{6} =$

$2.5 + 3\frac{4}{8} =$

$1.7 + 2\frac{2}{9} =$

$6.3 + 2\frac{1}{2} =$

$3.9 + 2\frac{1}{3} =$

$8.4 + 1\frac{3}{8} =$

$5.2 + 3\frac{2}{7} =$

$6.1 + 2\frac{9}{10} =$

$3.3 + 5\frac{3}{6} =$

$1.8 + 2\frac{3}{14} =$

$3.3 + 2\frac{3}{6} =$

$4.6 + 2\frac{1}{8} =$

$3.7 + 1\frac{3}{11} =$

$1.9 + 4\frac{1}{7} =$

$8.2 + 1\frac{3}{4} =$

$2.5 + 2\frac{2}{3} =$

$5.2 + 3\frac{3}{14} =$

$3.1 + 5\frac{2}{5} =$

$2.6 + 5\frac{3}{6} =$

$2.6 + 4\frac{3}{9} =$

$1.9 + 2\frac{3}{8} =$

$3.2 + 1\frac{3}{11} =$

$7.3 + 1\frac{7}{21} =$

$2.2 + 1\frac{3}{7} =$

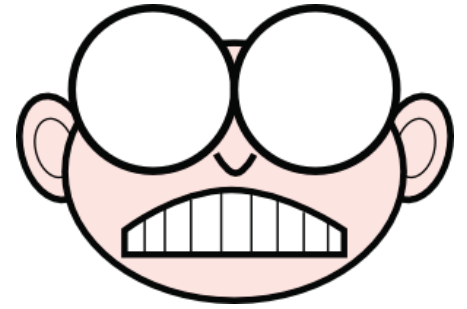
$1.7 + 7\frac{4}{9} =$

$8.1 + 1\frac{4}{15} =$

$4.8 + 3\frac{3}{13} =$

$5.5 + 1\frac{2}{8} =$

$1.8 + 5\frac{1}{9} =$



Adding Fractions and Decimals

Add and express your answer in a decimal (nearest hundredth)

$1.3 + 1\frac{4}{9} =$

$2.3 + 1\frac{3}{7} =$

$2.7 + 3\frac{4}{8} =$

$1.6 + 2\frac{3}{8} =$

$6.1 + 2\frac{1}{3} =$

$2.9 + 2\frac{1}{4} =$

$8.2 + 1\frac{3}{7} =$

$5.1 + 3\frac{1}{7} =$

$3.1 + 2\frac{9}{12} =$

$6.3 + 2\frac{3}{6} =$

$3.8 + 2\frac{3}{12} =$

$4.3 + 2\frac{3}{7} =$

$1.6 + 2\frac{1}{7} =$

$3.2 + 1\frac{3}{32} =$

$1.5 + 4\frac{6}{7} =$

$4.2 + 1\frac{3}{4} =$

$2.4 + 2\frac{1}{3} =$

$5.1 + 3\frac{3}{15} =$

$6.1 + 2\frac{2}{5} =$

$1.6 + 5\frac{3}{6} =$

$2.3 + 2\frac{3}{9} =$

$1.7 + 2\frac{1}{8} =$

$3.1 + 1\frac{3}{13} =$

$7.1 + 1\frac{7}{25} =$

$3.2 + 1\frac{3}{5} =$

$4.7 + 2\frac{4}{7} =$

$2.1 + 1\frac{4}{17} =$

$4.1 + 3\frac{3}{15} =$

$2.5 + 1\frac{1}{8} =$

$2.8 + 5\frac{1}{6} =$



Dividing Fractions by Fractions

Divide and express your answers in mixed numbers if possible

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{1}{3} \div \frac{1}{10} =$$

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

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

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

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

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

$$\frac{2}{7} \div \frac{1}{8} =$$

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

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

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

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

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

$$\frac{4}{9} \div \frac{1}{3} =$$

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

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

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

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

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



Dividing Fractions by Fractions

Divide and express your answers in mixed numbers if possible

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

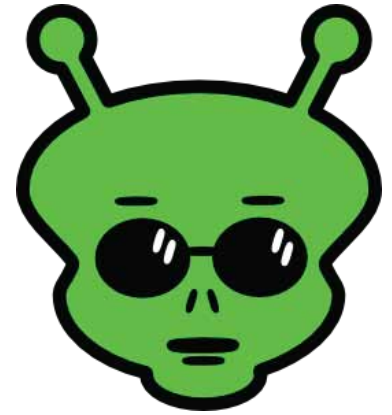
$$\frac{6}{8} \div \frac{7}{6} =$$

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

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

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

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



Dividing Mixed Numbers

Divide and express your answers in mixed numbers if possible

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



Dividing Mixed Numbers

Divide and express your answers in mixed numbers if possible

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

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

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

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

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

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

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

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

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

$$3\frac{1}{7} \div 3\frac{3}{5} =$$

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

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

$$1\frac{1}{5} \div 1\frac{4}{7} =$$

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

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

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

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

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

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

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

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

$$2\frac{5}{6} \div 1\frac{1}{3} =$$

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

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

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

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

$$3\frac{1}{2} \div 9\frac{1}{4} =$$



Divide the following decimal numbers (round off to nearest hundredth)

$2.2 \div 0.12 =$

$2.7 \div 0.15 =$

$3.1 \div 0.25 =$

$9.8 \div 0.25 =$

$0.4 \div 1.2 =$

$4.5 \div 0.3 =$



$0.5 \div 0.9 =$

$2.5 \div 0.35 =$

$7.5 \div 0.35 =$

$4.5 \div 0.15 =$

$2.2 \div 0.75 =$

$6.3 \div 0.25 =$

$0.8 \div 0.5 =$

$2.2 \div 0.8 =$

$5.1 \div 0.9 =$

$3.6 \div 0.4 =$

$6.2 \div 0.12 =$

$2.4 \div 0.3 =$

$2.7 \div 0.55 =$

$2.2 \div 0.11 =$

$5.8 \div 0.65 =$

$7.5 \div 0.4 =$

$4.1 \div 0.35 =$

$2.6 \div 0.15 =$

$2.9 \div 0.58 =$

$5.8 \div 0.29 =$

$6.2 \div 0.25 =$

Divide the following decimal numbers (round off to nearest hundredth)

$3.1 \div 0.12 =$

$1.7 \div 0.15 =$

$4.4 \div 0.25 =$

$6.8 \div 0.45 =$

$0.6 \div 1.3 =$

$4.7 \div 0.2 =$

$0.8 \div 0.2 =$

$6.5 \div 0.95 =$

$7.1 \div 0.75 =$

$3.5 \div 0.25 =$

$2.7 \div 0.65 =$

$6.5 \div 1.25 =$

$0.6 \div 0.6 =$

$5.2 \div 0.3 =$

$5.2 \div 1.9 =$

$3.1 \div 1.4 =$

$8.2 \div 0.22 =$

$7.4 \div 0.2 =$

$2.8 \div 0.35 =$

$2.7 \div 0.31 =$

$3.8 \div 0.68 =$

$5.5 \div 0.3 =$

$3.1 \div 0.35 =$

$3.6 \div 0.16 =$

$2.2 \div 0.78 =$

$5.5 \div 0.29 =$

$6.6 \div 0.25 =$



Fill in the blanks, round off to 2 decimal places.

$4 : 18 = 5 : \underline{\hspace{2cm}}$

$9 : 11 = 3 : \underline{\hspace{2cm}}$

$3 : 13 = 4 : \underline{\hspace{2cm}}$

$5 : 13 = 3 : \underline{\hspace{2cm}}$

$7 : 15 = 2 : \underline{\hspace{2cm}}$

$7 : 12 = 3 : \underline{\hspace{2cm}}$

$4 : 11 = 6 : \underline{\hspace{2cm}}$

$2 : 7 = 3 : \underline{\hspace{2cm}}$



$4 : 15 = 6 : \underline{\hspace{2cm}}$

$3 : 8 = 4 : \underline{\hspace{2cm}}$

$6 : 7 = 7 : \underline{\hspace{2cm}}$

$3 : 20 = 5 : \underline{\hspace{2cm}}$

$4 : 11 = 9 : \underline{\hspace{2cm}}$

$3 : 5 = 2 : \underline{\hspace{2cm}}$

$4 : 10 = 9 : \underline{\hspace{2cm}}$

$2 : 13 = 5 : \underline{\hspace{2cm}}$

$2 : 17 = 5 : \underline{\hspace{2cm}}$

$5 : 12 = 6 : \underline{\hspace{2cm}}$

$4 : 6 = 5 : \underline{\hspace{2cm}}$

$4 : 3 = 5 : \underline{\hspace{2cm}}$

$4 : 10 = 5 : \underline{\hspace{2cm}}$

$4 : 13 = 8 : \underline{\hspace{2cm}}$

$4 : 3 = 2 : \underline{\hspace{2cm}}$

$3 : 7 = 2 : \underline{\hspace{2cm}}$

$2 : 21 = 4 : \underline{\hspace{2cm}}$

$9 : 8 = 7 : \underline{\hspace{2cm}}$

$5 : 11 = 6 : \underline{\hspace{2cm}}$

Fill in the blanks, round off to 2 decimal places.

$4 : 17 = 3 : \underline{\hspace{2cm}}$

$9 : 15 = 3 : \underline{\hspace{2cm}}$

$2 : 13 = 3 : \underline{\hspace{2cm}}$

$5 : 15 = 3 : \underline{\hspace{2cm}}$

$6 : 15 = 2 : \underline{\hspace{2cm}}$

$7 : 16 = 2 : \underline{\hspace{2cm}}$

$5 : 11 = 3 : \underline{\hspace{2cm}}$

$3 : 7 = 4 : \underline{\hspace{2cm}}$

$7 : 15 = 6 : \underline{\hspace{2cm}}$

$5 : 8 = 7 : \underline{\hspace{2cm}}$

$6 : 7 = 8 : \underline{\hspace{2cm}}$

$7 : 20 = 4 : \underline{\hspace{2cm}}$

$4 : 14 = 3 : \underline{\hspace{2cm}}$

$3 : 9 = 2 : \underline{\hspace{2cm}}$

$2 : 10 = 6 : \underline{\hspace{2cm}}$

$6 : 13 = 4 : \underline{\hspace{2cm}}$

$2 : 15 = 5 : \underline{\hspace{2cm}}$

$5 : 13 = 7 : \underline{\hspace{2cm}}$

$4 : 5 = 8 : \underline{\hspace{2cm}}$

$8 : 3 = 2 : \underline{\hspace{2cm}}$

$4 : 11 = 2 : \underline{\hspace{2cm}}$

$3 : 14 = 8 : \underline{\hspace{2cm}}$

$4 : 7 = 2 : \underline{\hspace{2cm}}$

$3 : 4 = 9 : \underline{\hspace{2cm}}$

$5 : 21 = 3 : \underline{\hspace{2cm}}$

$9 : 4 = 7 : \underline{\hspace{2cm}}$

$2 : 11 = 7 : \underline{\hspace{2cm}}$



Greatest Common Factors

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

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

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

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

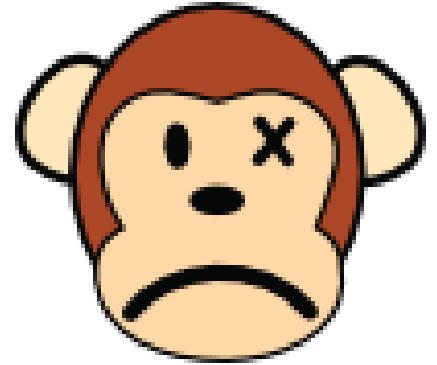
$12 \text{ and } 21 = \underline{\hspace{2cm}}$

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Greatest Common Factors

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

$14, 16 \text{ and } 20 = \underline{\hspace{2cm}}$

$35, 25 \text{ and } 15 = \underline{\hspace{2cm}}$

$24, 18 \text{ and } 96 = \underline{\hspace{2cm}}$

$12, 16 \text{ and } 56 = \underline{\hspace{2cm}}$

$16, 24 \text{ and } 28 = \underline{\hspace{2cm}}$

$19, 38 \text{ and } 95 = \underline{\hspace{2cm}}$

$12, 36 \text{ and } 60 = \underline{\hspace{2cm}}$

$14, 21 \text{ and } 87 = \underline{\hspace{2cm}}$

$20, 25 \text{ and } 75 = \underline{\hspace{2cm}}$

$16, 24 \text{ and } 64 = \underline{\hspace{2cm}}$



$24, 18 \text{ and } 78 = \underline{\hspace{2cm}}$

$12, 16 \text{ and } 56 = \underline{\hspace{2cm}}$

$12, 24 \text{ and } 28 = \underline{\hspace{2cm}}$

$18, 36 \text{ and } 72 = \underline{\hspace{2cm}}$

$12, 30 \text{ and } 60 = \underline{\hspace{2cm}}$

$15, 21 \text{ and } 81 = \underline{\hspace{2cm}}$

$21, 25 \text{ and } 33 = \underline{\hspace{2cm}}$

$14, 24 \text{ and } 64 = \underline{\hspace{2cm}}$

Lowest Common Multiple

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

$14 \text{ and } 20 = \underline{\quad}$

$13 \text{ and } 65 = \underline{\quad}$

$24 \text{ and } 18 = \underline{\quad}$

$14 \text{ and } 21 = \underline{\quad}$

$12 \text{ and } 96 = \underline{\quad}$

$15 \text{ and } 75 = \underline{\quad}$

$12 \text{ and } 56 = \underline{\quad}$

$17 \text{ and } 77 = \underline{\quad}$

$12 \text{ and } 78 = \underline{\quad}$

$14 \text{ and } 28 = \underline{\quad}$

$15 \text{ and } 72 = \underline{\quad}$

$7 \text{ and } 28 = \underline{\quad}$

$19 \text{ and } 95 = \underline{\quad}$

$12 \text{ and } 30 = \underline{\quad}$

$14 \text{ and } 84 = \underline{\quad}$

$12 \text{ and } 64 = \underline{\quad}$

$18 \text{ and } 48 = \underline{\quad}$

$17 \text{ and } 68 = \underline{\quad}$

$17 \text{ and } 68 = \underline{\quad}$

$12 \text{ and } 26 = \underline{\quad}$

$30 \text{ and } 45 = \underline{\quad}$

$21 \text{ and } 33 = \underline{\quad}$

$15 \text{ and } 95 = \underline{\quad}$

$15 \text{ and } 80 = \underline{\quad}$

$16 \text{ and } 64 = \underline{\quad}$

$15 \text{ and } 30 = \underline{\quad}$

$24 \text{ and } 30 = \underline{\quad}$



Lowest Common Multiple

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

$13 \text{ and } 20 = \underline{\hspace{2cm}}$

$13 \text{ and } 64 = \underline{\hspace{2cm}}$

$20 \text{ and } 18 = \underline{\hspace{2cm}}$

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

$14 \text{ and } 96 = \underline{\hspace{2cm}}$

$15 \text{ and } 70 = \underline{\hspace{2cm}}$

$10 \text{ and } 56 = \underline{\hspace{2cm}}$

$17 \text{ and } 51 = \underline{\hspace{2cm}}$

$12 \text{ and } 75 = \underline{\hspace{2cm}}$

$14 \text{ and } 25 = \underline{\hspace{2cm}}$

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

$14 \text{ and } 26 = \underline{\hspace{2cm}}$

$19 \text{ and } 90 = \underline{\hspace{2cm}}$

$12 \text{ and } 35 = \underline{\hspace{2cm}}$

$14 \text{ and } 74 = \underline{\hspace{2cm}}$

$12 \text{ and } 62 = \underline{\hspace{2cm}}$

$18 \text{ and } 38 = \underline{\hspace{2cm}}$

$17 \text{ and } 64 = \underline{\hspace{2cm}}$

$17 \text{ and } 62 = \underline{\hspace{2cm}}$

$12 \text{ and } 25 = \underline{\hspace{2cm}}$

$30 \text{ and } 40 = \underline{\hspace{2cm}}$

$21 \text{ and } 30 = \underline{\hspace{2cm}}$

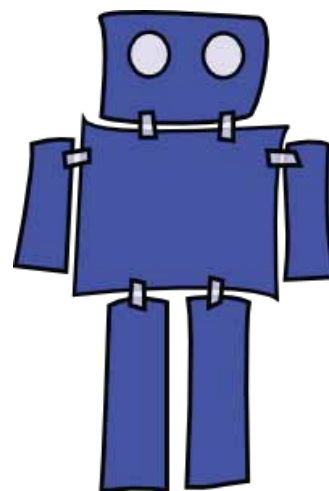
$15 \text{ and } 90 = \underline{\hspace{2cm}}$

$15 \text{ and } 85 = \underline{\hspace{2cm}}$

$16 \text{ and } 60 = \underline{\hspace{2cm}}$

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

$24 \text{ and } 34 = \underline{\hspace{2cm}}$



Find the percentage of the following numbers (round off to the nearest hundredth)

$14 \text{ out of } 210 = \underline{\hspace{2cm}}$

$25 \text{ out of } 110 = \underline{\hspace{2cm}}$

$17 \text{ out of } 250 = \underline{\hspace{2cm}}$

$13 \text{ out of } 200 = \underline{\hspace{2cm}}$

$14 \text{ out of } 200 = \underline{\hspace{2cm}}$

$21 \text{ out of } 150 = \underline{\hspace{2cm}}$

$35 \text{ out of } 180 = \underline{\hspace{2cm}}$

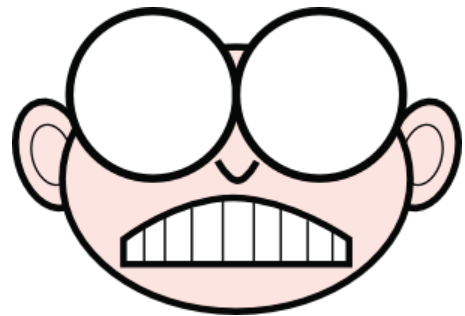
$24 \text{ out of } 340 = \underline{\hspace{2cm}}$

$72 \text{ out of } 200 = \underline{\hspace{2cm}}$

$99 \text{ out of } 250 = \underline{\hspace{2cm}}$

$45 \text{ out of } 130 = \underline{\hspace{2cm}}$

$16 \text{ out of } 410 = \underline{\hspace{2cm}}$



$15 \text{ out of } 260 = \underline{\hspace{2cm}}$

$14 \text{ out of } 270 = \underline{\hspace{2cm}}$

$20 \text{ out of } 310 = \underline{\hspace{2cm}}$

$55 \text{ out of } 105 = \underline{\hspace{2cm}}$

$25 \text{ out of } 240 = \underline{\hspace{2cm}}$

$18 \text{ out of } 380 = \underline{\hspace{2cm}}$

$75 \text{ out of } 500 = \underline{\hspace{2cm}}$

$28 \text{ out of } 420 = \underline{\hspace{2cm}}$

$15 \text{ out of } 210 = \underline{\hspace{2cm}}$

$22 \text{ out of } 230 = \underline{\hspace{2cm}}$

Find the percentage of the following numbers (round off to the nearest hundredth)

$16 \text{ out of } 200 = \underline{\hspace{2cm}}$

$15 \text{ out of } 100 = \underline{\hspace{2cm}}$

$27 \text{ out of } 200 = \underline{\hspace{2cm}}$

$15 \text{ out of } 280 = \underline{\hspace{2cm}}$

$24 \text{ out of } 260 = \underline{\hspace{2cm}}$

$51 \text{ out of } 160 = \underline{\hspace{2cm}}$

$65 \text{ out of } 160 = \underline{\hspace{2cm}}$

$44 \text{ out of } 370 = \underline{\hspace{2cm}}$

$62 \text{ out of } 220 = \underline{\hspace{2cm}}$

$89 \text{ out of } 250 = \underline{\hspace{2cm}}$

$45 \text{ out of } 345 = \underline{\hspace{2cm}}$

$12 \text{ out of } 324 = \underline{\hspace{2cm}}$



$25 \text{ out of } 280 = \underline{\hspace{2cm}}$

$24 \text{ out of } 250 = \underline{\hspace{2cm}}$

$30 \text{ out of } 210 = \underline{\hspace{2cm}}$

$35 \text{ out of } 205 = \underline{\hspace{2cm}}$

$15 \text{ out of } 270 = \underline{\hspace{2cm}}$

$15 \text{ out of } 380 = \underline{\hspace{2cm}}$

$55 \text{ out of } 550 = \underline{\hspace{2cm}}$

$18 \text{ out of } 410 = \underline{\hspace{2cm}}$

$25 \text{ out of } 260 = \underline{\hspace{2cm}}$

$22 \text{ out of } 240 = \underline{\hspace{2cm}}$

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 _____

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

15 is 18 % of _____

25 is 6 % of _____

25 is 35 % of _____

24 is 17 % of _____

16 is 26 % of _____

13 is 30 % of _____

22 is 25 % of _____

48 is 22 % of _____

84 is 15 % of _____

70 is 25 % of _____

28 is 30 % of _____

95 is 50 % of _____

36 is 32 % of _____

24 is 18 % of _____



25 is 60 % of _____

90 is 35 % of _____

18 is 62 % of _____

15 is 60 % of _____

35 is 40 % of _____

81 is 20 % of _____

65 is 23 % of _____


75 is 12 % of _____

14 is 16 % of _____


18 is 86 % of _____

25 is 26 % of _____

Compare the following fractions and decimals by using $>$, $<$ or $=$


$1.2 < 1\%$	$1.5 < 1\%$		
$2\frac{1}{2} > 2.3$	$3\frac{3}{8} < 3.8$		
$7.5 < 7\%$	$1.8 = 1\%$		
$4\frac{4}{11} > 4.3$	$1\frac{1}{2} > 1.6$		$5\frac{5}{11} < 5.5$
$1.9 > 1\%$	$2.2 < 2\%$		$1.6 < 1\%$
$1\% > 1.8$	$1\frac{1}{3} < 1.7$		$1\% > 1.3$
$8.2 > 8\frac{8}{17}$	$1.4 = 1\frac{1}{20}$		$2.9 > 2\frac{1}{2}$
$4\frac{4}{12} > 1.2$	$1\% < 1.7$		$1\frac{1}{3} < 1.2$
$1.1 < 1\frac{1}{11}$	$3.4 < 3\%$		$5.2 > 5\%$
$4\% > 4.4$	$1\% < 1.2$		$1\% > 1.8$

Compare the following fractions and decimals by using $>$, $<$ or $=$

$2.1 < 2\%$	$1.8 < 1\%$		
$3\frac{3}{15} > 3.2$	$7\% < 7.8$		
$3.5 < 3\%$	$6.8 = 6\%$		
$4\frac{4}{16} > 4.3$	$1\% > 1.5$		$5\frac{5}{15} < 5.5$
$1.7 > 1\%$	$2.1 < 2\%$		$1.6 < 1\%$
$1\frac{1}{11} > 1.4$	$1\frac{1}{4} < 1.6$		$1\frac{1}{2} > 1.3$
$8.3 > 8\frac{8}{16}$	$1.6 = 1\frac{1}{25}$		$2.8 > 2\frac{1}{2}$
$4\frac{4}{15} > 4.2$	$1\% < 1.7$		$1\frac{1}{3} < 1.5$
$1.4 < 1\frac{1}{11}$	$3.3 < 3\%$		$5.1 > 5\frac{1}{11}$
$4\% > 4.2$	$1\% < 1.2$		$1\% > 1.6$


Adding Fractions and Decimals

Add and express your answer in a decimal (nearest hundredth)

$1.2 + 1\% = 2.53$	$5.3 + 1\% = 6.8$		
$2.5 + 3\% = 6.07$	$1.7 + 2\% = 3.92$		
$6.3 + 2\% = 8.8$	$3.9 + 2\% = 6.23$		
$8.4 + 1\% = 9.78$	$5.2 + 3\% = 8.49$		$6.1 + 2\% = 9$
$3.3 + 5\% = 8.8$	$1.8 + 2\frac{1}{4} = 4.01$		$3.3 + 2\% = 5.8$
$4.6 + 2\% = 6.73$	$3.7 + 1\frac{1}{11} = 4.97$		$1.9 + 4\% = 6.04$
$8.2 + 1\% = 9.95$	$2.5 + 2\% = 5.17$		$5.2 + 3\frac{3}{4} = 8.34$
$3.1 + 5\% = 8.5$	$2.6 + 5\% = 8.1$		$2.6 + 4\% = 6.93$
$1.9 + 2\% = 4.28$	$3.2 + 1\frac{1}{11} = 4.47$		$7.3 + 1\frac{1}{21} = 8.63$
$2.2 + 1\% = 3.63$	$1.7 + 7\% = 9.14$		$8.1 + 1\frac{1}{15} = 9.37$
$4.8 + 3\frac{3}{13} = 8.03$	$5.5 + 1\% = 6.75$	$1.8 + 5\% = 6.91$	

Adding Fractions and Decimals

Add and express your answer in a decimal (nearest hundredth)

$1.3 + 1\% = 2.74$	$2.3 + 1\% = 3.73$		
$2.7 + 3\% = 6.2$	$1.6 + 2\% = 3.85$		
$6.1 + 2\% = 8.43$	$2.9 + 2\% = 5.15$		
$8.2 + 1\% = 9.63$	$5.1 + 3\% = 8.24$		$3.1 + 2\frac{1}{2} = 5.85$
$6.3 + 2\% = 8.8$	$3.8 + 2\frac{1}{2} = 4.01$		$4.3 + 2\% = 6.73$
$1.6 + 2\% = 3.74$	$3.2 + 1\frac{1}{32} = 4.29$		$1.5 + 4\% = 6.36$
$4.2 + 1\% = 5.7$	$2.4 + 2\% = 4.73$		$5.1 + 3\frac{3}{15} = 8.23$
$6.1 + 2\% = 8.5$	$1.6 + 5\% = 7.1$		$2.3 + 2\% = 4.63$
$1.7 + 2\% = 3.83$	$3.1 + 1\frac{1}{13} = 4.33$		$7.1 + 1\frac{1}{25} = 8.38$
$3.2 + 1\frac{1}{5} = 4.8$	$4.7 + 2\% = 7.27$		$2.1 + 1\frac{1}{17} = 3.34$
$4.1 + 3\frac{3}{15} = 7.3$	$2.5 + 1\% = 3.63$	$2.8 + 5\% = 7.97$	

Dividing Fractions by Fractions

Divide and express your answers in mixed numbers if possible

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

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

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

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

$$\frac{3}{5} \div \frac{1}{3} = \frac{9}{5}$$

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

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

$$\frac{1}{3} \div \frac{2}{7} = 1\frac{1}{6}$$

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

$$\frac{1}{2} \div \frac{1}{11} = 5\frac{1}{2}$$

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

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

$$\frac{1}{3} \div \frac{1}{10} = 3\frac{1}{3}$$

$$\frac{1}{5} \div \frac{1}{9} = 1\frac{4}{5}$$

$$\frac{1}{3} \div \frac{2}{7} = 1\frac{1}{6}$$

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

$$\frac{3}{4} \div \frac{5}{3} = \frac{9}{20}$$

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

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

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

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

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

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

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

$$\frac{4}{9} \div \frac{1}{3} = 1\frac{1}{3}$$

$$\frac{9}{7} \div \frac{2}{6} = \frac{39}{49}$$

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

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

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

$$\frac{2}{6} \div \frac{1}{9} = 2\frac{1}{4}$$



Dividing Fractions by Fractions

Divide and express your answers in mixed numbers if possible

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

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

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

$$\frac{3}{11} \div \frac{1}{8} = 1\frac{5}{11}$$

$$\frac{3}{11} \div \frac{1}{3} = \frac{9}{11}$$

$$\frac{1}{5} \div \frac{1}{7} = 1\frac{2}{5}$$

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

$$\frac{1}{3} \div \frac{2}{7} = 1\frac{1}{6}$$

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

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

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

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

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

$$\frac{3}{6} \div \frac{1}{9} = 3$$

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

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

$$\frac{1}{4} \div \frac{8}{3} = \frac{3}{32}$$

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

$$\frac{3}{7} \div \frac{1}{6} = 2\frac{2}{7}$$

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

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

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

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

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

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

$$\frac{9}{8} \div \frac{2}{6} = \frac{9}{4}$$

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

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

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

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



Dividing Mixed Numbers

Divide and express your answers in mixed numbers if possible

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

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

$$1\frac{3}{4} \div 1\frac{1}{3} = 1\frac{5}{16}$$

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

$$2\frac{1}{3} \div 1\frac{1}{3} = 1\frac{8}{27}$$

$$1\frac{3}{8} \div 2\frac{1}{4} = \frac{1}{18}$$

$$3\frac{1}{3} \div 1\frac{1}{3} = 1\frac{23}{27}$$

$$2\frac{1}{4} \div 1\frac{1}{5} = 1\frac{21}{24}$$

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

$$2\frac{1}{7} \div 2\frac{3}{4} = \frac{60}{77}$$

$$1\frac{3}{5} \div 1\frac{3}{8} = 1\frac{9}{55}$$

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

$$1\frac{1}{5} \div 1\frac{1}{6} = \frac{18}{25}$$

$$1\frac{1}{2} \div 1\frac{1}{9} = 1\frac{7}{20}$$

$$1\frac{1}{6} \div 1\frac{8}{9} = \frac{21}{34}$$

$$4\frac{1}{4} \div 3\frac{1}{2} = 1\frac{3}{14}$$

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

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

$$1\frac{3}{4} \div 2\frac{1}{2} = \frac{7}{10}$$

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

$$4\frac{1}{8} \div 2\frac{1}{3} = 1\frac{49}{66}$$

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

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

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

$$7\frac{1}{2} \div 6\frac{1}{2} = 1\frac{1}{13}$$

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

$$4\frac{1}{2} \div 9\frac{1}{4} = \frac{18}{57}$$



Dividing Mixed Numbers

Divide and express your answers in mixed numbers if possible

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

$$2\frac{1}{3} \div 2\frac{1}{2} = 1\frac{4}{45}$$

$$2\frac{2}{3} \div 1\frac{1}{3} = 1\frac{19}{20}$$

$$3\frac{1}{6} \div 3\frac{1}{2} = \frac{19}{21}$$

$$3\frac{1}{4} \div 1\frac{1}{5} = 1\frac{29}{36}$$

$$2\frac{2}{8} \div 2\frac{1}{4} = 1\frac{1}{18}$$

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

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

$$4\frac{1}{7} \div 7\frac{1}{2} = \frac{59}{105}$$

$$3\frac{1}{7} \div 3\frac{3}{5} = \frac{55}{63}$$

$$2\frac{2}{5} \div 1\frac{3}{8} = 1\frac{49}{55}$$

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

$$1\frac{1}{5} \div 1\frac{1}{7} = \frac{47}{55}$$

$$4\frac{1}{2} \div 1\frac{1}{9} = 4\frac{7}{20}$$

$$1\frac{3}{6} \div 1\frac{1}{3} = \frac{29}{21}$$

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

$$4\frac{1}{6} \div 1\frac{3}{4} = 2\frac{8}{21}$$

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

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

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

$$4\frac{1}{8} \div 1\frac{1}{3} = 3\frac{3}{32}$$

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

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

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

$$7\frac{1}{2} \div 6\frac{1}{2} = 1\frac{1}{13}$$


$$2\frac{1}{3} \div 2\frac{1}{6} = 1\frac{1}{13}$$

$$3\frac{1}{2} \div 9\frac{1}{4} = \frac{14}{37}$$




Dividing Decimals

Divide the following decimal numbers (round off to nearest hundredth)

$2.2 \div 0.12 = 18.33$	$2.7 \div 0.15 = 18$		
$3.1 \div 0.25 = 12.4$	$9.8 \div 0.25 = 39.2$		
$0.4 \div 1.2 = 0.33$	$4.5 \div 0.3 = 15$		
$0.5 \div 0.9 = 0.56$	$2.5 \div 0.35 = 7.14$		$7.5 \div 0.35 = 21.43$
$4.5 \div 0.15 = 30$	$2.2 \div 0.75 = 2.93$		$6.3 \div 0.25 = 25.2$
$0.8 \div 0.5 = 1.6$	$2.2 \div 0.8 = 2.75$		$5.1 \div 0.9 = 5.67$
$3.6 \div 0.4 = 9$	$6.2 \div 0.12 = 51.67$		$2.4 \div 0.3 = 8$
$2.7 \div 0.55 = 4.91$	$2.2 \div 0.11 = 20$		$5.8 \div 0.65 = 8.92$
$7.5 \div 0.4 = 18.75$	$4.1 \div 0.35 = 11.71$		$2.6 \div 0.15 = 17.33$
$2.9 \div 0.58 = 5$	$5.8 \div 0.29 = 20$		$6.2 \div 0.25 = 24.8$


Dividing Decimals

Divide the following decimal numbers (round off to nearest hundredth)

$3.1 \div 0.12 = 25.83$	$1.7 \div 0.15 = 11.33$		
$4.4 \div 0.25 = 18$	$6.8 \div 0.45 = 15.11$		
$0.6 \div 1.3 = 0.46$	$4.7 \div 0.2 = 23.5$		
$0.8 \div 0.2 = 4$	$6.5 \div 0.95 = 6.84$		$7.1 \div 0.75 = 9.47$
$3.5 \div 0.25 = 14$	$2.7 \div 0.65 = 4.15$		$6.5 \div 1.25 = 5.2$
$0.6 \div 0.6 = 1$	$5.2 \div 0.3 = 17.33$		$5.2 \div 1.9 = 2.74$
$3.1 \div 1.4 = 2.21$	$8.2 \div 0.22 = 37.27$		$7.4 \div 0.2 = 37$
$2.8 \div 0.35 = 8$	$2.7 \div 0.31 = 8.71$		$3.8 \div 0.68 = 5.59$
$5.5 \div 0.3 = 18.33$	$3.1 \div 0.35 = 8.86$		$3.6 \div 0.16 = 22.5$
$2.2 \div 0.78 = 2.82$	$5.5 \div 0.29 = 18.97$		$6.6 \div 0.25 = 26.4$


Ratios

Fill in the blanks, round off to 2 decimal places.

$4 : 18 = 5 : \underline{22.5}$	$9 : 11 = 3 : \underline{3.67}$		
$3 : 13 = 4 : \underline{17.33}$	$5 : 13 = 3 : \underline{7.8}$		
$7 : 15 = 2 : \underline{4.29}$	$7 : 12 = 3 : \underline{5.14}$		
$4 : 11 = 6 : \underline{16.5}$	$2 : 7 = 3 : \underline{10.5}$		$4 : 15 = 6 : \underline{22.5}$
$3 : 8 = 4 : \underline{10.67}$	$6 : 7 = 7 : \underline{8.17}$		$3 : 20 = 5 : \underline{33.33}$
$4 : 11 = 9 : \underline{24.75}$	$3 : 5 = 2 : \underline{3.33}$		$4 : 10 = 9 : \underline{22.5}$
$2 : 13 = 5 : \underline{32.5}$	$2 : 17 = 5 : \underline{42.5}$		$5 : 12 = 6 : \underline{14.4}$
$4 : 6 = 5 : \underline{7.5}$	$4 : 3 = 5 : \underline{3.75}$		$4 : 10 = 5 : \underline{12.5}$
$4 : 13 = 8 : \underline{26}$	$4 : 3 = 2 : \underline{1.5}$		$3 : 7 = 2 : \underline{4.67}$
$2 : 21 = 4 : \underline{42}$	$9 : 8 = 7 : \underline{6.22}$		$5 : 11 = 6 : \underline{13.2}$

Ratios

Fill in the blanks, round off to 2 decimal places.

$4 : 17 = 3 : \underline{12.75}$	$9 : 15 = 3 : \underline{5}$		
$2 : 13 = 3 : \underline{19.5}$	$5 : 15 = 3 : \underline{9}$		
$6 : 15 = 2 : \underline{5}$	$7 : 16 = 2 : \underline{4.57}$		
$5 : 11 = 3 : \underline{6.6}$	$3 : 7 = 4 : \underline{9.33}$		$7 : 15 = 6 : \underline{12.86}$
$5 : 8 = 7 : \underline{11.2}$	$6 : 7 = 8 : \underline{9.33}$		$7 : 20 = 4 : \underline{11.43}$
$4 : 14 = 3 : \underline{10.5}$	$3 : 9 = 2 : \underline{6}$		$2 : 10 = 6 : \underline{30}$
$6 : 13 = 4 : \underline{8.67}$	$2 : 15 = 5 : \underline{37.5}$		$5 : 13 = 7 : \underline{18.2}$
$4 : 5 = 8 : \underline{10}$	$8 : 3 = 2 : \underline{0.75}$		$4 : 11 = 2 : \underline{5.5}$
$3 : 14 = 8 : \underline{37.33}$	$4 : 7 = 2 : \underline{3.5}$		$3 : 4 = 9 : \underline{12}$
$5 : 21 = 3 : \underline{12.6}$	$9 : 4 = 7 : \underline{3.11}$		$2 : 11 = 7 : \underline{3.5}$

Greatest Common Factors

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

$12 \text{ and } 20 = \underline{4}$

$13 \text{ and } 65 = \underline{13}$

$35 \text{ and } 18 = \underline{1}$

$12 \text{ and } 21 = \underline{3}$

$24 \text{ and } 96 = \underline{24}$

$15 \text{ and } 75 = \underline{15}$

$12 \text{ and } 56 = \underline{4}$

$14 \text{ and } 77 = \underline{7}$

$11 \text{ and } 78 = \underline{1}$

$12 \text{ and } 28 = \underline{4}$

$17 \text{ and } 68 = \underline{17}$

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

$19 \text{ and } 95 = \underline{19}$

$12 \text{ and } 23 = \underline{1}$

$14 \text{ and } 84 = \underline{14}$

$12 \text{ and } 66 = \underline{6}$

$19 \text{ and } 48 = \underline{1}$

$17 \text{ and } 68 = \underline{17}$

$14 \text{ and } 87 = \underline{1}$

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

$30 \text{ and } 45 = \underline{15}$

$21 \text{ and } 33 = \underline{3}$

$15 \text{ and } 95 = \underline{5}$

$15 \text{ and } 90 = \underline{15}$

$16 \text{ and } 64 = \underline{4}$

$12 \text{ and } 30 = \underline{6}$

$24 \text{ and } 30 = \underline{6}$



Greatest Common Factors

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

$14, 16 \text{ and } 20 = \underline{2}$

$35, 25 \text{ and } 15 = \underline{5}$

$24, 18 \text{ and } 96 = \underline{6}$

$12, 16 \text{ and } 56 = \underline{4}$

$16, 24 \text{ and } 28 = \underline{4}$

$19, 38 \text{ and } 95 = \underline{19}$

$12, 36 \text{ and } 60 = \underline{12}$

$14, 21 \text{ and } 87 = \underline{1}$

$20, 25 \text{ and } 75 = \underline{25}$

$16, 24 \text{ and } 64 = \underline{8}$



$24, 18 \text{ and } 78 = \underline{6}$

$12, 16 \text{ and } 56 = \underline{4}$

$12, 24 \text{ and } 28 = \underline{4}$

$18, 36 \text{ and } 72 = \underline{18}$

$12, 30 \text{ and } 60 = \underline{6}$

$15, 21 \text{ and } 81 = \underline{3}$

$21, 25 \text{ and } 33 = \underline{1}$

$14, 24 \text{ and } 64 = \underline{2}$

Lowest Common Multiple

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

$14 \text{ and } 20 = \underline{140}$

$13 \text{ and } 65 = \underline{65}$

$24 \text{ and } 18 = \underline{72}$

$14 \text{ and } 21 = \underline{42}$

$12 \text{ and } 96 = \underline{96}$

$15 \text{ and } 75 = \underline{75}$

$12 \text{ and } 56 = \underline{168}$

$17 \text{ and } 77 = \underline{1,309}$

$12 \text{ and } 78 = \underline{156}$

$14 \text{ and } 28 = \underline{28}$

$15 \text{ and } 72 = \underline{360}$

$7 \text{ and } 28 = \underline{28}$

$19 \text{ and } 95 = \underline{95}$

$12 \text{ and } 30 = \underline{60}$

$14 \text{ and } 84 = \underline{84}$

$12 \text{ and } 64 = \underline{192}$

$18 \text{ and } 48 = \underline{144}$

$17 \text{ and } 68 = \underline{68}$

$17 \text{ and } 68 = \underline{68}$

$12 \text{ and } 26 = \underline{156}$

$30 \text{ and } 45 = \underline{90}$

$21 \text{ and } 33 = \underline{231}$

$15 \text{ and } 95 = \underline{285}$

$15 \text{ and } 80 = \underline{240}$

$16 \text{ and } 64 = \underline{64}$

$15 \text{ and } 30 = \underline{30}$

$24 \text{ and } 30 = \underline{120}$



Lowest Common Multiple

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

$13 \text{ and } 20 = \underline{260}$

$13 \text{ and } 64 = \underline{832}$

$20 \text{ and } 18 = \underline{180}$

$14 \text{ and } 20 = \underline{140}$

$14 \text{ and } 96 = \underline{672}$

$15 \text{ and } 70 = \underline{210}$

$10 \text{ and } 56 = \underline{280}$

$17 \text{ and } 51 = \underline{51}$

$12 \text{ and } 75 = \underline{300}$

$14 \text{ and } 25 = \underline{350}$

$15 \text{ and } 80 = \underline{240}$

$14 \text{ and } 26 = \underline{182}$

$19 \text{ and } 90 = \underline{1,710}$

$12 \text{ and } 35 = \underline{420}$

$14 \text{ and } 74 = \underline{518}$

$12 \text{ and } 62 = \underline{372}$

$18 \text{ and } 38 = \underline{342}$

$17 \text{ and } 64 = \underline{1,088}$

$17 \text{ and } 62 = \underline{1,054}$

$12 \text{ and } 25 = \underline{300}$

$30 \text{ and } 40 = \underline{120}$

$21 \text{ and } 30 = \underline{210}$

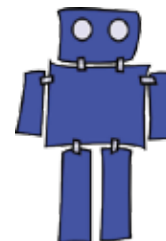
$15 \text{ and } 90 = \underline{90}$

$15 \text{ and } 85 = \underline{255}$

$16 \text{ and } 60 = \underline{240}$

$12 \text{ and } 30 = \underline{60}$

$24 \text{ and } 34 = \underline{408}$



Percents

Find the percentage of the following numbers (round off to the nearest hundredth)

$14 \text{ out of } 210 = \underline{6.67\%}$

$25 \text{ out of } 110 = \underline{22.73\%}$

$17 \text{ out of } 250 = \underline{6.8\%}$

$13 \text{ out of } 200 = \underline{6.5\%}$

$14 \text{ out of } 200 = \underline{7\%}$

$21 \text{ out of } 150 = \underline{14\%}$

$35 \text{ out of } 180 = \underline{19.44\%}$

$24 \text{ out of } 340 = \underline{7.06\%}$

$72 \text{ out of } 200 = \underline{36\%}$

$99 \text{ out of } 250 = \underline{39.6\%}$

$45 \text{ out of } 130 = \underline{34.62\%}$

$16 \text{ out of } 410 = \underline{3.9\%}$



$15 \text{ out of } 260 = \underline{5.77\%}$

$14 \text{ out of } 270 = \underline{5.19\%}$

$20 \text{ out of } 310 = \underline{6.45\%}$

$55 \text{ out of } 105 = \underline{52.38\%}$

$25 \text{ out of } 240 = \underline{10.42\%}$

$18 \text{ out of } 380 = \underline{4.74\%}$

$75 \text{ out of } 500 = \underline{15\%}$

$28 \text{ out of } 420 = \underline{6.67\%}$

$15 \text{ out of } 210 = \underline{7.14\%}$

$22 \text{ out of } 230 = \underline{9.57\%}$

Percents

Find the percentage of the following numbers (round off to the nearest hundredth)

$16 \text{ out of } 200 = \underline{8\%}$

$15 \text{ out of } 100 = \underline{15\%}$

$27 \text{ out of } 200 = \underline{13.5\%}$

$15 \text{ out of } 280 = \underline{5.36\%}$

$24 \text{ out of } 260 = \underline{9.23\%}$

$51 \text{ out of } 160 = \underline{31.88\%}$

$65 \text{ out of } 160 = \underline{40.63\%}$

$44 \text{ out of } 370 = \underline{11.89\%}$

$62 \text{ out of } 220 = \underline{28.18\%}$

$89 \text{ out of } 250 = \underline{35.6\%}$

$45 \text{ out of } 345 = \underline{13.04\%}$

$12 \text{ out of } 324 = \underline{3.7\%}$



$25 \text{ out of } 280 = \underline{8.93\%}$

$24 \text{ out of } 250 = \underline{9.6\%}$

$30 \text{ out of } 210 = \underline{14.29\%}$

$35 \text{ out of } 205 = \underline{17.07\%}$

$15 \text{ out of } 270 = \underline{5.56\%}$

$15 \text{ out of } 380 = \underline{3.95\%}$

$55 \text{ out of } 550 = \underline{10\%}$

$18 \text{ out of } 410 = \underline{4.39\%}$

$25 \text{ out of } 260 = \underline{9.62\%}$

$22 \text{ out of } 240 = \underline{9.17\%}$

Percents

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

$14 \text{ is } 12\% \text{ of } \underline{116.7}$

$25 \text{ is } 3\% \text{ of } \underline{833.3}$

$35 \text{ is } 15\% \text{ of } \underline{233.3}$

$20 \text{ is } 17\% \text{ of } \underline{117.6}$

$18 \text{ is } 28\% \text{ of } \underline{64.3}$

$15 \text{ is } 35\% \text{ of } \underline{42.9}$

$21 \text{ is } 20\% \text{ of } \underline{105}$

$45 \text{ is } 12\% \text{ of } \underline{375}$

$88 \text{ is } 15\% \text{ of } \underline{586.7}$

$75 \text{ is } 25\% \text{ of } \underline{300}$

$22 \text{ is } 30\% \text{ of } \underline{73.3}$

$98 \text{ is } 50\% \text{ of } \underline{196}$

$32 \text{ is } 34\% \text{ of } \underline{94.1}$

$24 \text{ is } 12\% \text{ of } \underline{200}$



$25 \text{ is } 22\% \text{ of } \underline{113.6}$

$90 \text{ is } 15\% \text{ of } \underline{600}$

$16 \text{ is } 64\% \text{ of } \underline{25}$

$13 \text{ is } 60\% \text{ of } \underline{21.7}$

$36 \text{ is } 40\% \text{ of } \underline{90}$

$82 \text{ is } 25\% \text{ of } \underline{328}$

$67 \text{ is } 23\% \text{ of } \underline{291.3}$

$72 \text{ is } 12\% \text{ of } \underline{600}$

$12 \text{ is } 16\% \text{ of } \underline{75}$

$18 \text{ is } 80\% \text{ of } \underline{22.5}$

$26 \text{ is } 45\% \text{ of } \underline{57.8}$

Percents

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

$15 \text{ is } 18\% \text{ of } \underline{83.3}$

$25 \text{ is } 6\% \text{ of } \underline{416.7}$

$25 \text{ is } 35\% \text{ of } \underline{71.4}$

$24 \text{ is } 17\% \text{ of } \underline{141.2}$

$16 \text{ is } 26\% \text{ of } \underline{61.5}$

$13 \text{ is } 30\% \text{ of } \underline{43.3}$

$22 \text{ is } 25\% \text{ of } \underline{88}$

$48 \text{ is } 22\% \text{ of } \underline{218.2}$

$84 \text{ is } 15\% \text{ of } \underline{560}$

$70 \text{ is } 25\% \text{ of } \underline{280}$

$28 \text{ is } 30\% \text{ of } \underline{93.3}$

$95 \text{ is } 50\% \text{ of } \underline{190}$

$36 \text{ is } 32\% \text{ of } \underline{112.5}$

$24 \text{ is } 18\% \text{ of } \underline{133.3}$



$25 \text{ is } 60\% \text{ of } \underline{41.7}$

$90 \text{ is } 35\% \text{ of } \underline{247.1}$

$18 \text{ is } 62\% \text{ of } \underline{29}$

$15 \text{ is } 60\% \text{ of } \underline{25}$

$35 \text{ is } 40\% \text{ of } \underline{87.5}$

$81 \text{ is } 20\% \text{ of } \underline{405}$

$65 \text{ is } 23\% \text{ of } \underline{282.6}$

$75 \text{ is } 12\% \text{ of } \underline{625}$

$14 \text{ is } 16\% \text{ of } \underline{87.5}$

$18 \text{ is } 86\% \text{ of } \underline{20.9}$

$25 \text{ is } 26\% \text{ of } \underline{96.2}$