

Express your answer as a fraction if the problem involves fractions

Subtract and simplify: $\frac{5}{6} - \frac{2}{9}$

A fishing boat arrives at market with a full load. $\frac{5}{8}$ of the load is sockeye (red) salmon, while $\frac{7}{24}$ of the fish are silvers (coho). The remainder of the load is king (Chinook) salmon. What fraction of the load is king?

Solve. Write your answer as a fraction: $t + 3\frac{3}{4} = 4\frac{5}{6}$

Simplify: Use the rules for order of operations. $\frac{7}{8} - \frac{1}{6} \div \frac{2}{3}$

Divide. Write a mixed numeral for the answer. $18 \overline{)20,095}$

Subtract: $12 - 4\frac{2}{9}$

Divide: $2\frac{1}{12} \div 75$

An order of books for a math course weighs 220 lb. Each book weighs $2\frac{3}{4}$ lb. How many books are in the order?

Delores runs 17 laps at her health club. Terence runs 17 laps at his health club. If the track at Delores's health club is $\frac{1}{7}$ mi long, and the track at Terence's is $\frac{1}{8}$ mi long, who runs farther? How much farther?

Simplify. Write your answer as a fraction: $\frac{1}{2} - \frac{1}{2}^2 + \frac{1}{2}^3$

Arrange the following numbers in order from smallest to largest:

2.1, 2.109, 2.108, 2.018, 2.0119, 2.0302, 2.000001

Subtract without using a calculator: $70.0009 - 23.0567$

Multiply without using a calculator: 9.28×8.6

Simplify: $6 \times 0.9 + 0.1 \div 4 - 0.2^3$

Divide without using a calculator: $0.032 \overline{)0.07488}$

Find the average of \$1276.59, \$1350.49, \$1123.78, and \$1402.58.

The Colavitos own a house with an assessed value of \$184,500. For every \$1000 of assessed value, they pay \$7.68 in taxes. How much do they pay in taxes?

Calculate: $\frac{1}{3} \times 123.7 + \frac{4}{9} \times 0.684$

Write $\frac{184}{15}$ as a mixed number.

If a water wheel made 469 revolutions at a rate of $16\frac{3}{4}$ revolutions per minute, how long did it rotate?

Add and simplify: $\frac{7}{8} - \frac{5}{6}$

An Arby's franchise is owned by three people. One owns $\frac{7}{12}$ of the business and the second owns $\frac{1}{6}$. What part of the business does the third person own?

Solve: $\frac{2}{3} + p = \frac{7}{8}$

Simplify: Use the rules for order of operations. $\frac{1}{8} \div \frac{1}{4} + \frac{1}{2}$

Divide. Write a mixed numeral for the answer. $23\overline{)10,493}$

Subtract: $6\frac{3}{5} - 2\frac{1}{2}$

Divide: $18 \div 2\frac{1}{4}$

A car traveled 385 mi on $15\frac{4}{10}$ gal of gas. How many miles per gallon did it get?

A rectangular lot has dimensions of $302\frac{1}{2}$ ft by $205\frac{1}{4}$ ft. A building with dimensions of 100 ft by $25\frac{1}{2}$ ft is built on the lot. How much area is left over?

Simplify: $\frac{3}{4}^2 + 3\frac{1}{2} \div 1\frac{1}{4}$

Add and simplify: $\frac{3}{16} + \frac{1}{12}$

Elaine walked $\frac{7}{8}$ mi to the student union, and then $\frac{2}{5}$ mi to class. How far did she walk?

Solve: $m + \frac{5}{6} = \frac{9}{10}$

Simplify: Use the rules for order of operations. $\frac{7}{8} - \frac{1}{10} \times \frac{5}{6}$

Divide. Write a mixed numeral for the answer. $85\overline{)7672}$

Subtract: $23\frac{5}{16} - 14\frac{7}{12}$

Divide: $12\frac{1}{2} \div 50$

The tape in an audio cassette is played at the rate of $1\frac{7}{8}$ in. per second. How many inches of tape are used when a cassette is played for $5\frac{1}{2}$ sec.?

Simplify: $\frac{3}{4} - \frac{2}{3} \quad \frac{1}{2} + \frac{2}{5}$

Arrange the following numbers in order from smallest to largest:
0.99, 0.099, 1, 0.9999, 0.89999, 1.00009, 0.909, 0.9889

Subtract without using a calculator: $2345.90786 - 0.999$

Multiply without using a calculator: 2.0056×3.8

Simplify: $12^2 \div (12 + 2.4) - [(2 - 1.6) \div 0.8]$

If you can drive 264.8 miles on 12.7 gallons of gas, find your gas mileage.

What is the cost, in dollars, of 20.4 gal of gasoline at 159.9 cents per gallon?
Round the answer to the nearest cent.

The water in a filled tank weighs 748.45 lb. One cubic foot of water weighs 62.5 lb. How many cubic feet of water does the tank hold?

Calculate: $\frac{5}{6} \times 0.0765 + \frac{5}{4} \times 0.1124$

A construction worker is paid \$18.50 per hour for the first 40 hr of work, and time and a half, or \$27.75 per hour, for any overtime exceeding 40 hr per week. One week she works 46 hr. How much is her pay?

If a bicycle wheel made 480 revolutions at a rate of $66\frac{2}{3}$ revolutions per minute, how long did it rotate?