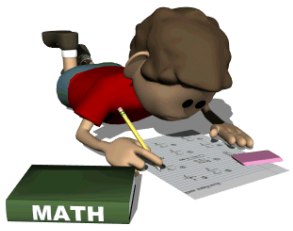


Warm Up

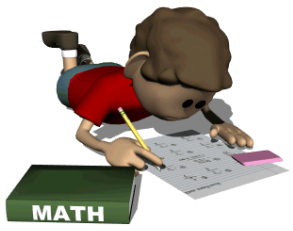
Add or subtract

1) 101.75 + 62.574

2) 15.3007 - 3.24

Find the sum

12.36 + 14.97 + 7.02



Warm Up

Sept. 12

Add or subtract

1) 101.75 + 62.574

$$\begin{array}{r} 101.750 \\ +\ 62.574 \\ \hline 164.324 \end{array}$$

2) 15.3007 - 3.24

$$\begin{array}{r} 15.^{2}3^{1}007 \\ -\ \ 3.24000 \\ \hline 12.06007 \end{array}$$

Find the sum

12.36 + 14.97 + 7.02

$$\begin{array}{r} {\scriptstyle 1\ \ 1\ \ \ 1} \\ 12.36 \\ 14.97 \\ +\ \ 7.02 \\ \hline 34.35 \end{array}$$

Worksheet Solutions

1) Find the sum or difference

a) 2.876 - 0.975

$$\begin{array}{r} 2.876 \\ -\ 0.975 \\ \hline 1.901 \end{array}$$

b) 71.382 + 6.357

$$\begin{array}{r} 71.382 \\ +\ 6.357 \\ \hline 77.739 \end{array}$$

c) 125.12 + 37.84

$$\begin{array}{r} 125.12 \\ +\ 37.84 \\ \hline 162.96 \end{array}$$

d) 9.7 - 1.36

$$\begin{array}{r} 9.70 \\ -\ 1.36 \\ \hline 8.34 \end{array}$$

2) The tallest mountain in the world is Mount Everest which is about 8.848 km above sea level. The tallest mountain in Canada is Mount Logan and is about 5.96 Km above sea level. What is the difference in the heights of the mountains?

$$\begin{array}{r} 8.848 \\ -\ 5.960 \\ \hline 2.888 \end{array}$$

The difference in the heights of the mountains is 2.888 km.

3) Four classes for students from Kim's school is planning a field trip. The total cost of the trip is $ 1067.50.

to date the class raised $192.18, $212.05, $231.24, $183.77.

a) How much money have the classses raised so far?

b) How much more money do the classes need to raise in total?

a)
$$\begin{array}{r} {}^{2}{}^{1}{}^{2} \\ 192.18 \\ 212.05 \\ 231.24 \\ 183.77 \\ \hline \$819.24 \end{array}$$

b)
$$\begin{array}{r} {}^{5}{}^{4} \\ 1067.50 \\ -\ 819.24 \\ \hline \$248.26 \end{array}$$

4) A baker wants to make 3 different kinds of chocolate chip cookies. The recipes calls for 2.75 kg, 4.4 kg, and 5.55 kg of chocolate chips. The baker has 10.5 kg of chocolate chips.

a) How many kilograms of chocolate chips does the baker need?

b) Does the baker have enough chocolate chips to make the cookies?

c) The baker wants to follow the recipes exactly. If your answer t part b is no, how many more kilograms of chocolate chips are needed? If your answer to part b is yes, how many kilograms of chocolate chip will the baker have left over?

a)
$$\begin{array}{r} {}^{1}{}^{1} \\ 2.75 \\ 4.40 \\ +\ 5.55 \\ \hline 12.70 \end{array}$$

b) No, he does not have enough

c)
$$\begin{array}{r} 12.70 \\ -\ 10.50 \\ \hline 2.20 \end{array}$$

He needs another 2.2kg

5) Calculate 4.671 + 3.9+ 0.875

$$\begin{array}{r} {\scriptstyle 2\ \ 1} \\ 4.671 \\ +\ 3.900 \\ 0.875 \\ \hline 9.446 \end{array}$$

6) The Jardine family and the Hallihan family have similar homes. The Jardine family sets its thermostat at 20°C during the winter months. Its monthly heating bills were: $171.23, $134.35, and $123.21. The Hallihan family used a programmable thermostat to lower the temperature at night, and during the day when the family was out. The Hallihan family's monthly heating bills were: $134.25, $103.27, and $98.66.

a) How much money did each family pay to heat its home during the winter months?

b) How much more money did the Jardine family pay?

J Family

$$\begin{array}{r} 171.23 \\ 134.35 \\ +\ 123.21 \\ \hline 428.79 \end{array}$$

H Family

$$\begin{array}{r} 134.25 \\ 103.27 \\ +\ 98.66 \\ \hline 336.18 \end{array}$$

b)

$$\begin{array}{r} {\scriptstyle 3\ 4\ 1} \\ 428.79 \\ -\ 336.18 \\ \hline 92.61 \end{array}$$

1) Mia bought a watermelon that weighed 3.2kg, a bag of apples that weighed 1.35kg, and a bunch of bananas that weigh 0.476 kg.

a) What is the total weight of the fruit Mia bought?

add

b) What is the difference between the largest amount of fruit and and the smallest amount of fruit?

$$\begin{array}{r} {\scriptstyle 1\ \ 1\ \ \ } \\ 3.200 \\ 1.350 \\ +\ 0.476 \\ \hline 5.026 \end{array}$$

Mia bought a total of 5.026kg of fruit.

b)
$$\begin{array}{r} {\scriptstyle 2\ 11\ 9\ \ } \\ 3.\cancel{2}\,\cancel{0}^{1}0 \\ -\ 0.476 \\ \hline 2.724 \end{array}$$

The difference between the largest amount of fruit to smallest amount of fruit is 2.724 kg.

Worksheet

On next 2 pages

Extra Practice 3

Grade 8 Ch 3 Extra Practice 3

Lesson 3.3: Adding and Subtracting Decimals

1. Find the sum or difference

a) 9.043 + 0.9 + 1.15

b) 2.09 + 4.6 + 1.8

c) 9.6 – 7.4

d) 50.4 – 5.04

2. Add or subtract.

a) 7.56 + 0.07 + 122.7

b) 7.85 – 6.93

c) 2.2 – 1.68

d) 83.07 + 0.42 + 7.7

3. Althea bought 3.6 kg of beef, 1.7 kg of cheese, 3 kg of fish and 2.28 kg of rice. What was the total mass she had to carry?

4. The Andersons can take one of two routes to their cabin on the lake. If they take the highway route, the distance from their home to the cabin is 156.7 km. If they take the more scenic route, the distance is 189.4 km. How much longer is the scenic route than the highway route?

5. One summer, the average price for a litre of gasoline in Edmonton was $1.147 while the average price for a litre of gasoline in Victoria was $1.234.
How much more did a litre of gasoline cost in Victoria than in Edmonton that summer? Write your answer to the nearest cent.

6. Find two numbers with a sum of 254.791.

7. A student added 2.35 + 4.256 and got the sum 4.491.
a) What mistake did the student make?

b) What is the correct answer?