

Warm Up Gr 8

Date: Sept. 16



1) Find the sum of 18.7 and 258.36

$$\begin{array}{r} 18.70 \\ + 258.36 \\ \hline 277.06 \end{array} \quad \text{OR} \quad \begin{array}{r} 258.36 \\ + 18.70 \\ \hline \end{array}$$

2) Find the difference of 97.45 and 2.8

Big — Small

$$\begin{array}{r} 97.45 \\ - 2.80 \\ \hline 94.65 \end{array}$$

3) Evaluate a) $14 - 3.6$ b) $17.2 + 12$

c) $901.3 - 76.45$

Warm Up Solutions

1) Find the sum of 18.7 and 258.36

$$\begin{array}{r} 18.70 \\ + 258.36 \\ \hline 277.06 \end{array}$$

2) Find the difference of 97.45 and 2.8

$$\begin{array}{r} 97.45 \\ - 2.80 \\ \hline 94.65 \end{array}$$

3) Evaluate a) $14 - 3.6$ b) $17.2 + 12$

Find
↓
answer

$$\begin{array}{r} 14.0 \\ - 3.6 \\ \hline 10.4 \end{array}$$

$$\begin{array}{r} 17.2 \\ + 12.0 \\ \hline 29.2 \end{array}$$

c) $901.3 - 76.45$

$$\begin{array}{r} 901.30 \\ - 76.45 \\ \hline 824.85 \end{array}$$

Add or Subtract

↳ the decimal (•) lines up

a) $37.18 + 0.29 = 37.47$

$$\begin{array}{r} 37.18 \\ + 0.29 \\ \hline 37.47 \end{array}$$

b) $74.1 - 21.46 = 52.64$

$$\begin{array}{r} 74.10 \\ - 21.46 \\ \hline 52.64 \end{array}$$

c) $21 + 4.2$

$$\begin{array}{r} 21.0 \\ + 4.2 \\ \hline 25.2 \end{array}$$

d) $31.7 - 5.06$

$$\begin{array}{r} 31.70 \\ - 5.06 \\ \hline 26.64 \end{array}$$

$$30.74 - 11.96$$

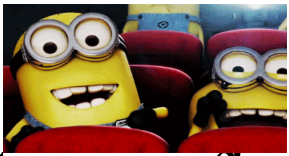
$$\begin{array}{r} \overset{2}{\cancel{3}}\overset{9}{0}.\overset{16}{\cancel{7}}4 \\ - 11.96 \\ \hline \boxed{18.78} \end{array}$$

OR

$$\begin{array}{r} \overset{2}{\cancel{3}}\overset{9}{0}.\overset{16}{\cancel{7}}4 \\ 11.96 \\ \hline 8 \end{array}$$

$$100.2 - 2.78$$

$$\begin{array}{r} \overset{0}{\cancel{1}}\overset{9}{0}\overset{9}{0}.\overset{11}{\cancel{2}}0 \\ - 2.78 \\ \hline \boxed{97.42} \end{array}$$



From Last Day

Suppose five movies were released on the same weekend, and their box office opening week earnings were as follows:

✗ Movie A: 45.67 million dollars

Movie B: 32.4 million dollars

✗ Movie C: 28.1 million dollars

Movie D: 4.73 million Dollars

Movie E: 12.495 million Dollars



Add

a) Question: What is the total box office earnings for all five movies during their opening week?

$$\begin{array}{r} \overset{2}{4} \overset{2}{5} \overset{1}{.} 670 \\ 32.400 \\ 28.100 \\ 4.730 \\ + 12.495 \\ \hline 123.395 \end{array}$$

The total box office earnings for all 5 movies is \$123.395 million dollars.

b) How much more did movie A make over movie C?

Subtract

$$\begin{array}{r} \overset{3}{4} \overset{1}{5} . 67 \\ - 28.10 \\ \hline 17.57 \end{array}$$

Movie A made
17.57 million dollars
more than movie C.

a) Find the difference

$$12.12 - 8.56$$

b) Find the sum

$$907.2 + 62$$

c) $43 - 15.7$

Class/Homework

Finish sheet from yesterday

(If you need more I have another sheet)

Hw # 1 to 5

Work on # 6 if done

Worksheet

Name: _____

Show work for all questions.

1) Find the sum or difference

a) $2.876 - 0.975$

b) $71.382 + 6.357$

c) $125.12 + 37.84$

d) $9.7 - 1.36$

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?

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 classes raised so far?

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

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?

5) Calculate $4.671 + 3.9 + 0.875$

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?

Name: _____

Decimals If more is needed

1) Angie spent \$131.56 on groceries during the week preceding Christmas. During the Christmas week, her grocery expenses reduced to \$ 561.91 as she was out of town for a few days. How much more money did Angie spend on groceries during the week before Christmas than the following week?



2) Sharon takes her 2 kids, Ken and Ben to the doctor's office to fill the health form given at school. Ken is 4.01 ft tall and Ben is 3.71 ft tall. How much taller is Ken than Ben?



3) Lily takes up a new year resolution to lose weight. She weighed 161.76 pound in Jan. 1, 2017. Lily goes on a low-crab diet and works out in the gym. On Jan. 31, 2017, she weighs 159.34 pounds. How many pounds did Lilly lose?



4) The tallest tree among the redwood situated in California measures 379.7 ft. The tallest tree among the mountain-ash species in Australia stands at 326.77 ft. What is the difference in the height between the two trees?



5) Jake lives in Philadelphia and plans to attend his high school reunion in Connecticut, which is 190.8 miles away. He drives 105.7 miles the first day. how many more miles does Jake have to drive, to attend his high school reunion in Connecticut? ?

