



Penrose GED Prep

1.5 Decimals: Addition

In this worksheet, we will practice adding together decimals. If you would like further explanation before attempting these problems, links to video descriptions can be found at the end of this worksheet. Starred problems have video solutions.

1 Evaluate the following sums.

•

$$\begin{array}{r} 1.482 \\ + 2.217 \\ \hline \end{array}$$

•

$$\begin{array}{r} 27.362 \\ + 91.0075 \\ \hline \end{array}$$

2 * Evaluate the following sums.

• $4.62038 + 3.22715$

• $32.1936 + 7.243$

3 Evaluate the following differences.

•

$$\begin{array}{r} 6.893 \\ - 4.062 \\ \hline \end{array}$$

•

$$\begin{array}{r} 53.522 \\ - 47.1573 \\ \hline \end{array}$$

4 * Evaluate the following differences.

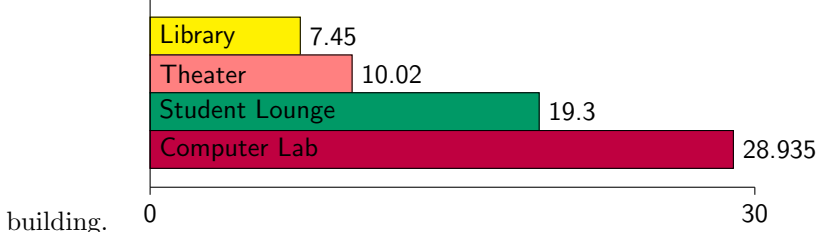
• $4.62038 - 3.22715$

• $32.1936 - 7.243$



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5 *The diagram below gives the distance, in yards, from the entrance of a school to the other rooms in the



- If Marissa walks from the Student Lounge to the entrance, and then back to the Library, how many yards will she walk in total?
 - (a) 7.45
 - (b) 19.3
 - (c) 26.75
 - (d) 93.8
 - If Joshua walks from the entrance to the Computer Lab and directly passes the Theater, then what is the distance between the Computer Lab and the Theater?
 - (a) 10.02
 - (b) 18.915
 - (c) 18.735
 - (d) 38.955
- 6 Al and Megan are baking, and their recipe calls for 2.5 ounces of flour. If Al has 0.93 ounces of flour and Megan has 1.17 ounces of flour, how many ounces of flour do they need to borrow before they can follow the recipe?
- (a) 0.24
 - (b) 0.40
 - (c) 2.10
 - (d) 2.26
- 7 * At a local produce stand, the prices are given in the following chart. If Ana buys a tomato and an onion and gives the cashier \$5, how much change will she get?

Tomato	\$0.75
Pepper	\$1.83
Onion	\$2.17

- (a) \$1.42
- (b) \$2.08
- (c) \$2.58
- (d) \$2.92

Additional Resources:

- Khan Academy gives a series of examples of adding and subtracting decimals: https://www.khanacademy.org/math/arithmetic/decimals/adding_decimals/v/adding-decimals-example-1
- A detailed solution to #2 and #4: <https://www.youtube.com/watch?v=mWYAxXXAWLw&list=PLiADMg9o4gHkkZtafnIxRpRuybCBCE> 20
- A detailed solution to #5: <https://www.youtube.com/watch?v=a1BZCzCHNfA&list=PLiADMg9o4gHkkZtafnIxRpRuybCBCE> 21
- A detailed solution to #7: https://www.youtube.com/watch?v=c4Jvcec5_H8&list=PLiADMg9o4gHkkZtafnIxRpRuybCBCE 22