

Jadwin-Technical Math B-1st Period-Off Site Learning Packet Day 8

Adding & Subtracting Decimals in Practical Applications

(jadwinry@mwood.cc , (330) 296-2892 ext 114)

Example: On Monday 2.5 tons of materials are delivered to a job site. On Tuesday an additional 3.25 tons are delivered. Over the next 3 days 2.75, 4.8, and 1.2 tons are delivered respectively. How many total tons were delivered to the site that week?

$$2.5 + 3.25 + 2.75 + 4.8 + 1.2 = 14.5 \text{ tons}$$

Example: Tom estimated his hours on a job to be 9.5 hours. The job actually took 2.6 hours, 3.75 hours, and 2.9 hours. By how much did Tom overestimate his hours?

$$2.6 + 3.75 + 2.9 = 9.25 \text{ hours}$$

$$9.5 - 9.25 = 0.25 \text{ hours}$$

Example: You go to the store and buy 4 items that cost \$5.25, \$2, \$8.07, and \$1.39. All of the items are food products, so there is no tax. You give the cashier \$20. What amount of change should the cashier give you back?

$$5.25 + 2 + 8.07 + 1.39 = \$16.71$$

$$20 - 16.71 = \$3.29$$

1. A hardware store clerk bills a cabinetmaker for the following items: nails, \$6.85; locks, \$12.47; hinges, \$5.72; drawer pulls, \$4; and cabinet catches, \$6.09. What is the total bill?

2. A supervisor estimated the setup time for 4 different jobs at a total of 6.25 hours. The jobs actually took 1.75 hrs., 0.60 hrs., 2.125 hrs., and 1.40 hrs. by how much was the total overestimated?

3. Pressure is measured at each end of a duct. The first measurement is 0.042 lb/sq in. The second measurement is 0.026 lb/sq in. What is the pressure drop between the ends?