

1. Katherine is very interested in cryogenics (the science of very low temperatures). With the help of her science teacher she is doing an experiment on the effect of low temperatures on bacteria. She cools one sample of bacteria to a temperature of -51°C and another to -76°C . What was the temperature difference in the two experiments?

Subtract

$$-51 + +76$$

$$25^{\circ}\text{C}$$

$$\begin{array}{r} + \quad - \\ 76 \overline{) 51} \end{array}$$

$$\begin{array}{r} 76 \\ -51 \\ \hline \end{array}$$

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2. On Tuesday the mailman delivers 3 checks for \$5 each and 2 bills for \$2 each. If you had a starting balance of \$25, what is the ending balance?

$$25 + 15 - 4 = \$36$$

3. You owe \$225 on your credit card. You make a \$55 payment and then purchase \$87 worth of clothes at Dillards. What is the balance owed on the credit card?

$$-225 + 55 - 87$$

$$-\$257$$

$$\begin{array}{r} + \quad - \\ 55 \overline{) 225} \\ \underline{+ 87} \\ 2 \overline{) 312} \\ \underline{- 55} \\ 257 \end{array}$$

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4. If it is -25°F in Rantoul and it is 75°F in Honolulu, what is the temperature difference between the two cities?

$$75 + (+25) = 100^{\circ}$$

Subtract

5. It was a very freaky weather day. The temperature started out at 9°C in the morning and went to -13°C at noon. What is the difference between the two temperatures?

$$9 + 13 = 22^{\circ}$$

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6. A monkey sits on a limb that is 25 ft. above the ground. He swings up 10 ft., climbs up 6 ft. more, then he jumps down 13 ft. How far off the ground is the monkey now?

$$25 + 10 + 6 - 13$$

28ft above

$$\begin{array}{r} 25 \\ +10 \\ +6 \\ -13 \\ \hline 28 \end{array}$$

7. Mary has \$267 in her checking account. She writes checks for \$33, \$65, and \$112. What is the balance in her account now?

$$267 - 33 - 65 - 112$$

\$57

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