



Math Connections

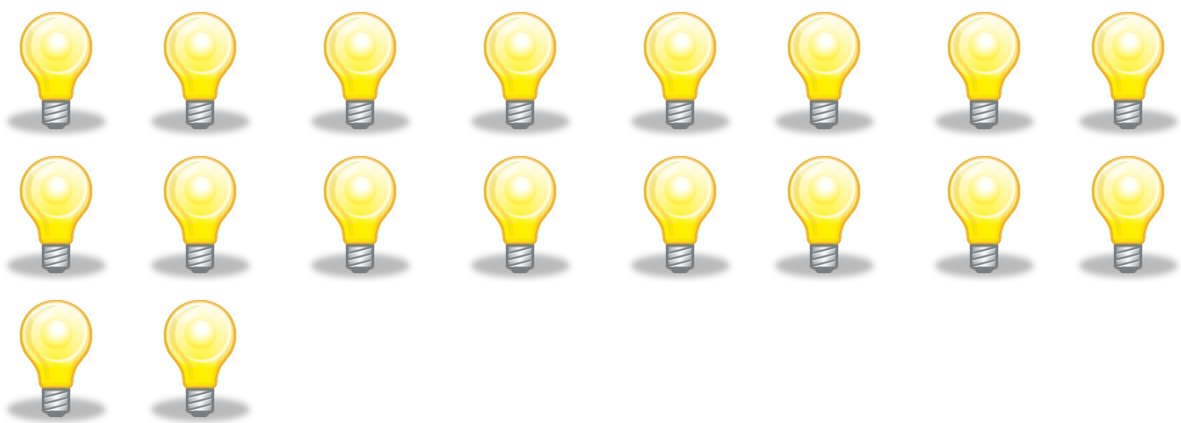
Happy Winter Break! Keep your skills sharp by practicing math and science during your time off.

Name: _____ Date: _____

1. Tonya’s class went outside for a science lesson on shadows. Each student got to trace their partner’s shadow. There are 19 students in Tonya’s class. Seven students are girls. How many students are boys? Illustrate the problem in the space below.

$$7 + \underline{\hspace{2cm}} = 19$$

2. Mr. Baker bought two boxes of light bulbs. One box had 12 light bulbs in it and the other box had only six light bulbs. How many light bulbs did he buy altogether? Write the related number sentence.



$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

3. Using the information in problem 2, how many more light bulbs were in the smaller box than in the larger box?

- A. 6 B. 7 C. 18



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Grayson, his mom, and his dad were observing their shadows at the beach. They decided to see how many footprints tall their shadows were. Record how many footprints long each shadow was and answer the questions below.



Dad

Grayson

Mom

4. How many footprints is Grayson's shadow and his dad's shadow combined?
5. How many footprints smaller is Grayson's shadow than his mom's shadow?
6. How many footprints would Grayson's shadow need to grow to equal his dad's shadow?