### Lesson 2 Practice Problems

* 1. The temperature is -2. If the temperature rises by 15, what is the new temperature?
  2. At midnight the temperature is -6. At midday the temperature is 9. By how much did the temperature rise?

1. Draw a diagram to represent each of these situations. Then write an addition expression that represents the final temperature.
   1. The temperature was and then fell .
   2. The temperature was and then rose .
   3. The temperature was and then fell .
2. Complete each statement with a number that makes the statement true.
   1. \_\_\_\_\_ <
   2. \_\_\_\_\_ <
   3. < \_\_\_\_\_ <
   4. \_\_\_\_\_ >

* (From Unit 5, Lesson 1.)

1. Decide whether each table could represent a proportional relationship. If the relationship could be proportional, what would be the constant of proportionality?
   1. The number of wheels on a group of buses.

| * + number of buses | * + number of wheels | * + wheels per bus |
| --- | --- | --- |
| * + 5 | * + 30 |  |
| * + 8 | * + 48 |  |
| * + 10 | * + 60 |  |
| * + 15 | * + 90 |  |

* 1. The number of wheels on a train.

| * + number of train cars | * + number of wheels | * + wheels per train car |
| --- | --- | --- |
| * + 20 | * + 184 |  |
| * + 30 | * + 264 |  |
| * + 40 | * + 344 |  |
| * + 50 | * + 424 |  |

* (From Unit 2, Lesson 7.)

1. Noah was assigned to make 64 cookies for the bake sale. He made 125% of that number. 90% of the cookies he made were sold. How many of Noah's cookies were left after the bake sale?

* (From Unit 4, Lesson 7.)



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