### Lesson 2 Practice Problems

* 1. The temperature is -2$​^{∘}C$. If the temperature rises by 15$​^{∘}C$, what is the new temperature?
	2. At midnight the temperature is -6$​^{∘}C$. At midday the temperature is 9$​^{∘}C$. 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 $80^{∘}F$ and then fell $20^{∘}F$.
	2. The temperature was $-13^{∘}F$ and then rose $9^{∘}F$.
	3. The temperature was $-5^{∘}F$ and then fell $8^{∘}F$.
2. Complete each statement with a number that makes the statement true.
	1. \_\_\_\_\_ < $7^{∘}C$
	2. \_\_\_\_\_ < $-3^{∘}C$
	3. $-0.8^{∘}C$ < \_\_\_\_\_ < $-0.1^{∘}C$
	4. \_\_\_\_\_ > $-2^{∘}C$
* (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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