

Integer Multiplication Task

Name _____ Class _____

Johnny's mom asked him to go to the food storage in the basement and get 5 of the three-pack jars of spaghetti sauce.

1. Draw a model of how many jars of spaghetti sauce total is Johnny getting? What multiplication problem are you doing?
2. Johnny wasn't paying attention to every word mom said and he brought up 3 of the 5-packs of spaghetti sauce. Draw a different model of how many jars Johnny got. What multiplication problem shows this example? Explain and show how they are different.
3. Explain what $(-3) \bullet 5$ is asking you to do in words and with a picture. Why would this problem show what Johnny's mom asked him to do next?
4. When taking the jars back Johnny was distracted by a ball on the stairs and tripped! Explain what $3 \bullet (-5)$ represents in this part of the story. $3 \bullet (-5)$ is much different than $5 \bullet (-3)$ even though they both have the same answer. Explain and show how they are different.

5. Explain why a positive number multiplied by a negative number will always come out as a negative number.

6. If you see the problem $0 - (5 \bullet -3)$ and Johnny is a wizard at Hogwarts, can you explain what is happening with the jars? Can you show with a picture what it is asking for?

7. Write what it is asking for in words when you see $0 - (3 \bullet -2)$. What is the solution?

8. Explain what the sign of the answer will be when you multiply a negative number times a negative number.

Write in words what the problem is asking you to do and then simplify the expression. Use whatever context you would like.

9. $4 \bullet 2$ In words _____
Simplified answer _____

10. $8 \bullet (-2)$ In words _____
Simplified answer _____

11. $4(-3)$ In words _____
Simplified answer _____

12. $-3(2)$ In words _____
Simplified answer _____

13. $-4 \bullet (-5)$ In words _____
Simplified answer _____