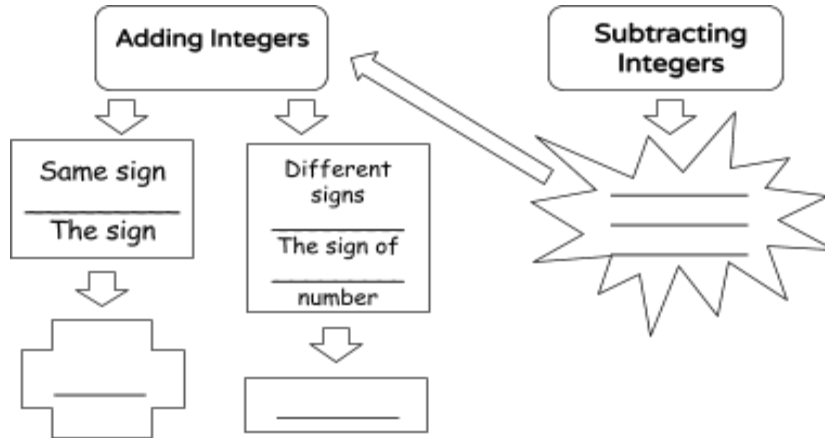


Unit 1: Integers Study Guide

Adding and Subtracting

Fill in the flowchart:



Evaluate the expressions (SHOW ALL WORK)

1. $(-12) - 10 =$	8. $(-45) + 22 =$
2. $-13 - 17 =$	9. $-506 + (-333) =$
3. $25 - 47 =$	10. $98 + (-64) =$
4. $119 - (-301) =$	11. $7 + (-8) - 23 =$
5. $-55 - (-4) =$	12. $-13 - (-9) + 4 =$
6. $1.6 + (-0.8)$	13. $-7.65 + 9.32 - (-2.39) =$
7. $-35.25 + (-19.99) =$	14. $6.5 - 18.3 + 3.7 =$
15. Use the number line to evaluate: $(-6) + (-3) =$	16. Use the number line to evaluate: $8 - 13 =$

Multiplying and Dividing

<p>Fill in the flowchart:</p> <div style="text-align: center; border: 1px solid black; border-radius: 10px; padding: 5px; width: fit-content; margin: 0 auto 10px auto;"> Multiplying and Dividing </div> <div style="display: flex; justify-content: space-around; margin-bottom: 10px;"> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> </div> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 45%;"> Same Signs </div> <div style="border: 1px solid black; padding: 5px; width: 45%;"> Different Signs </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> </div> <div style="text-align: center;"> <div style="border: 1px solid black; width: 50px; height: 20px; margin: 0 auto;"></div> </div> </div>	<p>Choose a method:</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Triangle Method</p> </div> <div style="text-align: center;"> <p>or</p> </div> <div style="text-align: center;"> <p>Tic Tac Toe</p> </div> </div>
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Evaluate the expressions using either the triangle or tic tac toe method (SHOW ALL WORK):

<p>17. $-6 \cdot 9 =$</p>	<p>21. $(-5)(-8)(-3) =$</p>
<p>18. $(-10) 12 =$</p>	<p>22. $-96 \div 6 \cdot -12 =$</p>
<p>19. $72 \div -8 =$</p>	<p>23. $.5 \div 2.5 =$</p>
<p>20. $-21 \cdot -19 =$</p>	<p>24. $-18 \div 1.2 =$</p>

Use an IPS chart to solve the word problems:

<p>25. Maggie owes the candy store \$35. Each of her 5 friends will help her pay off her debt. How much will each friend pay?</p>	<p>27. Mt. Everest, the highest elevation in Asia, is 29,028 feet above sea level. The Dead Sea, the lowest elevation, is 1,312 feet below sea level. What is the difference between these two elevations?</p>										
<p>26. In the Sahara Desert one day it was 136.8 degrees Fahrenheit. In the Gobi Desert a temperature of -50.3 degrees Fahrenheit was recorded. What is the difference between these two temperatures?</p>	<p>28. The price of the new iphone starts at \$700 and drops \$5 per month. Using the table, how much will the iphone cost after 6 months?</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 5px;">Month</th> <th style="padding: 5px;">Price of iphone</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">1</td> <td style="padding: 5px;">\$700</td> </tr> <tr> <td style="padding: 5px;">2</td> <td style="padding: 5px;">\$695</td> </tr> <tr> <td style="padding: 5px;">3</td> <td style="padding: 5px;">\$690</td> </tr> <tr> <td style="padding: 5px;">4</td> <td style="padding: 5px;">\$685</td> </tr> </tbody> </table>	Month	Price of iphone	1	\$700	2	\$695	3	\$690	4	\$685
Month	Price of iphone										
1	\$700										
2	\$695										
3	\$690										
4	\$685										

Name: _____ Block: _____ Date: _____

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