

10/17/2024 – Integer Operations**Review of Units 1 and 2 for Grade 7 Math (7R) – Fun theme: Sports**Questions to follow along with show. Watch: [Math Homework Hotline](#)

<p>1) What are the values of the following expressions? (MA.7.NSO.2.2)</p> <p>a) $-4 - 7$</p> <p>b) $\frac{3}{4} - \frac{5}{6}$</p> <p>c) $-8.5 - 3.15 + 4.7$</p>	<p>2) What are the values of the following expressions? (MA.7.NSO.2.2)</p> <p>a) $-4(7)$</p> <p>b) $\frac{3}{4}(-\frac{5}{6})$</p> <p>c) $-\frac{8}{5}(-3.15)(4.7)$</p>															
<p>3) Which expressions have a value of 12? (MA.7.NSO.2.2)</p> <p><input type="radio"/> $9 - (-3)$</p> <p><input type="radio"/> $-5\frac{1}{4} - (-6\frac{3}{4})$</p> <p><input type="radio"/> $-7.5 + (-4.5)$</p> <p><input type="radio"/> $-\frac{12}{14} + 12\frac{6}{7}$</p>	<p>4) Complete the table to determine the value of each expression. (MA.7.NSO.2.2)</p> <table><tr><td></td><td>-10</td><td>10</td></tr><tr><td>$-5(-2)$</td><td></td><td></td></tr><tr><td>$\frac{1}{5}(-50)$</td><td></td><td></td></tr><tr><td>$-135 \div 13\frac{1}{2}$</td><td></td><td></td></tr><tr><td>$-\frac{50}{25} \div -\frac{5}{25}$</td><td></td><td></td></tr></table>		-10	10	$-5(-2)$			$\frac{1}{5}(-50)$			$-135 \div 13\frac{1}{2}$			$-\frac{50}{25} \div -\frac{5}{25}$		
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<p>5) To prepare for the Olympic triathlon, Jake swam 0.93 mile and ran $6\frac{1}{5}$ miles. If the overall Olympic triathlon distance is 32 miles, how many miles did he bike? (MA.7.NSO.2.3)</p>	<p>6) Mel tracked the temperature of the water before going swimming.</p> <ul style="list-style-type: none">➤ At 6 a.m., the temperature was 70.3°F➤ At 8:30 a.m., the temperature rose by 4.2°F➤ Two hours later, it was $1\frac{1}{4}$°F lower➤ By noon, it was 2°F higher <p>a) What was the total change of the water temperature?</p> <p>b) What was the water temperature at noon? (MA.7.NSO.2.3)</p>															

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<p>7) When some athletes at Milton Middle School were asked if math was their favorite subject, $\frac{1}{3}$ of the football players and $\frac{1}{4}$ of the basketball players said yes. If 63 football players and 24 basketball players were surveyed, how many athletes in total said math was their favorite subject? (MA.7.NSO.2.3)</p>	<p>8) Five friends drank lemonade after their sports game. A serving of lemonade is 8 ounces. Which of the following friends drank more than 10 ounces of lemonade? Select all that apply. (MA.7.NSO.2.3)</p> <p><input type="radio"/> Michael drank 0.9 servings of lemonade.</p> <p><input type="radio"/> Emily drank 1 serving of lemonade.</p> <p><input type="radio"/> John drank 1.2 servings of lemonade.</p> <p><input type="radio"/> Olivia drank 1.3 servings of lemonade.</p> <p><input type="radio"/> Sarah drank 1.5 servings of lemonade.</p>
<p>9) What is the value of the expression? (MA.7.NSO.2.1)</p> $\frac{1 - (-3 + 12)^2}{26}$	<p>10) What is the value of the expression? (MA.7.NSO.2.1)</p> $\frac{(\frac{20}{5} - -3 + 12)^3}{10 - 2}$