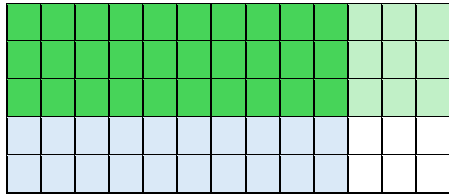


**12/12/2024 Rescheduled from 10/10/2024 – Fraction Operations****Review of Unit 4 for Grade 6 Math (6R and 6A) – Fun theme: Football**Questions to follow along with show. Watch: [Math Homework Hotline](#)

- 1) What expression is the area model representing?  
(MA.6.NSO.2.2)



- 2) Select all of the possible values for the expression. (MA.6.NSO.2.2)

$$\frac{14}{5} \times \frac{3}{42}$$

- ☐  $\frac{1}{5}$       ☐  $\frac{1}{15}$   
☐  $\frac{3}{10}$       ☐  $\frac{3}{15}$   
☐  $\frac{2}{30}$       ☐  $\frac{6}{30}$   
☐  $\frac{42}{210}$       ☐  $\frac{15}{588}$

- 3) What is the value of the expression?  
(MA.6.NSO.2.2)

$$2\frac{5}{6} \times \frac{1}{68}$$

- 4) What is the value of each expression?  
(MA.6.NSO.2.2)

a)  $4 \div 10\frac{5}{6}$

b)  $10\frac{5}{6} \div 4$

- 5) Determine which values or expressions are equivalent to the following expression:  
(MA.6.NSO.2.2)

$$\frac{5}{6} \div \frac{3}{2}$$

	Equivalent	Not Equivalent
$\frac{5}{6} \div \frac{9}{6}$		
$\frac{5}{6} \times 1\frac{1}{2}$		
$\frac{5}{9}$		
$\frac{9}{5}$		
$1\frac{4}{5}$		

- 6) Jacqui drives 13.4 miles every weekday for work. On the weekends, she enjoys going to various football events and drives 36.25 miles each day. How many more miles is she able to drive if a full tank of gas can get her 332 miles?  
(MA.6.NSO.2.3)

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<p>7) Coach Johnson is analyzing the team's performance. In their last game, the quarterback completed <math>\frac{2}{5}</math> of his passes. Out of the completed passes, <math>\frac{1}{2}</math> resulted in first downs. If the quarterback threw 55 passes in total, how many passes resulted in first downs? (MA.6.NSO.2.3)</p>	<p>8) After filling four Gatorade coolers with water, Bonnie noticed each cooler can hold 9.6 gallons of water without spilling. If she needs to have a combined total of 64.75 gallons of water for the rest of the football game, how many more coolers does she need to fill? Round to the nearest tenths, if necessary. (MA.6.NSO.2.3)</p>
<p>9) The Riverside Rockets are repainting their football field.</p> <ul style="list-style-type: none"><li>➤ They already painted <math>2\frac{1}{4}</math> of the field with their team color, red.</li><li>➤ The end zones, which take <math>\frac{1}{6}</math> of the total field each, were painted yellow.</li></ul> <p>If it takes <math>1\frac{1}{2}</math> gallons of paint for each <math>\frac{1}{8}</math> of the field, how many gallons of paint have they used so far? (MA.6.NSO.2.3)</p>	<p>10) The varsity football team at Bay High School had 48 players on their roster last year. This year,</p> <ul style="list-style-type: none"><li>➤ <math>\frac{3}{4}</math> of the players are returning from last year</li><li>➤ Of the returning players, <math>\frac{2}{3}</math> of them played as starters last year</li><li>➤ The team is also adding <math>\frac{1}{3}</math> of last year's total roster as new players</li></ul> <p>What fraction of the total players on the varsity football team this year were starters last year? (MA.6.NSO.2.3)</p>