

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Rational Numbers Review

Simplify the following expressions in the box provided. Remember to put your answers in simplest form.

1. $\frac{14}{25} + \left(-\frac{1}{2}\right)$	2. $-\frac{4}{5} \cdot \frac{5}{7} \cdot -2$	<b>Answers</b>  1. _____  2. _____  3. _____  4. _____  5. _____  6. _____  7. _____  8. _____  9. _____  10. _____
3. $-\frac{1}{4} + \frac{7}{10}$	4. $-8.3 - (-11.26)$	
5. $22.5 \cdot -1.4$	6. $\frac{7}{9} \div -\frac{8}{9}$	
7. $-\frac{1.28}{6.4}$	8. $3\frac{1}{2} \div -1\frac{1}{4}$	
9. $5.9 + (-6.3) + 4 - (-7.7)$	10. Place the numbers in descending order. $0.38, \frac{3}{5}, 1.2, -1, \frac{7}{5}$	

<p>11. Convert to a decimal.</p> $3\frac{6}{11}$	<p>12. Convert to a fraction in simplest form.</p> $-8.045$
<p>13. Place the numbers in ascending order.</p> $-0.35, -\frac{1}{5}, -1, -\frac{3}{10}$	<p>14. Compare. Use <math>&gt;</math>, <math>&lt;</math>, or <math>=</math> to complete each statement.</p> $\frac{7}{8} \text{ — } \frac{7}{9}$
<p>15. Compare. Use <math>&gt;</math>, <math>&lt;</math>, or <math>=</math> to complete each statement.</p> $0.65 \text{ — } \frac{7}{10}$	<p>16. Compare. Use <math>&gt;</math>, <math>&lt;</math>, or <math>=</math> to complete each statement.</p> $-0.88 \text{ — } -\frac{7}{8}$
<p>17. You buy five movie tickets and one \$7 bucket of popcorn for \$40.75. How much does each ticket cost?</p>	<p>18. If you walk 3.5 miles per hour, how far will you walk in 1.4 hours?</p>
<p>19. Jack ate two thirds of a pizza and Donte ate one quarter of it. What fraction of the pizza did they eat?</p>	<p>20. About seven-twelfths of a golf course is in the fairways, one-eighth in the greens, and the rest in the trees. What part of the golf course is in the trees?</p>
<p>21. Explain what happens to the value of a fraction if the denominator gets larger. Include an example in your answer.</p>	<p>22. Create a decimal that has a value between <math>\frac{4}{7}</math> and <math>\frac{1}{2}</math>.</p>

<b>Answers</b>	
11. _____	
12. _____	
13. _____	
14. _____	
15. _____	
16. _____	
17. _____	
18. _____	
19. _____	
20. _____	
21. Write in the question box.	
22. _____	