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. $-\frac{4}{5}∙\frac{5}{7}∙-2$ |
| 3. $-\frac{1}{4}+\frac{7}{10}$ | 4. $-8.3-(-11.26)$ |
| 5. $22.5∙-1.4 $ | 6. $\frac{7}{9}÷-\frac{8}{9}$  |
| 7. $-\frac{1.28}{6.4}$ | 8. $3\frac{1}{2}÷-1\frac{1}{4}$ |
| 9. $5.9+\left(-6.3\right)+4-(-7.7)$ | 10. Place the numbers in descending order.$$0.38, \frac{3}{5}, 1.2, -1, \frac{7}{5}$$ |

**Answers**

1. \_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_

4. \_\_\_\_\_\_\_\_\_\_

5. \_\_\_\_\_\_\_\_\_\_

6. \_\_\_\_\_\_\_\_\_\_

7. \_\_\_\_\_\_\_\_\_\_

8. \_\_\_\_\_\_\_\_\_\_

9. \_\_\_\_\_\_\_\_\_\_

10. \_\_\_\_\_\_\_\_\_

**Convert to a Fraction.**

**9.** 0.32 **10.** 0.04

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

**Answers**

11. \_\_\_\_\_\_\_\_\_\_

12. \_\_\_\_\_\_\_\_\_\_

13. \_\_\_\_\_\_\_\_\_\_

14. \_\_\_\_\_\_\_\_\_\_

15. \_\_\_\_\_\_\_\_\_\_

16. \_\_\_\_\_\_\_\_\_\_

17. \_\_\_\_\_\_\_\_\_\_

18. \_\_\_\_\_\_\_\_\_\_

19. \_\_\_\_\_\_\_\_\_\_

20. \_\_\_\_\_\_\_\_\_\_

21. Write in the question box.

22. \_\_\_\_\_\_\_\_\_\_