

Name _____

Algebra: Number Relationships

Write the opposite integer.

1. -7 _____ 2. 13 _____ 3. -91 _____ 4. -782 _____ 5. $50,423$ _____

Write each rational number in the form $\frac{a}{b}$.

6. $4\frac{1}{7}$ _____ 7. 0.07 _____ 8. 22.3 _____ 9. $10\frac{1}{8}$ _____ 10. 43.9 _____
11. $3\frac{4}{9}$ _____ 12. 120 _____ 13. 0.81 _____ 14. $11\frac{3}{5}$ _____ 15. $1,903$ _____

Find a rational number between the two given numbers.

16. $\frac{1}{8}$ and $\frac{1}{5}$ _____ 17. $\frac{5}{9}$ and $\frac{5}{8}$ _____ 18. -1.7 and -1.5 _____
19. 1.68 and 1.685 _____ 20. $-\frac{1}{4}$ and $-\frac{1}{8}$ _____ 21. -5.5 and -5.3 _____
22. 5.7 and 5.72 _____ 23. 6.89 and 6.9 _____ 24. -89.1 and -89 _____

Compare the rational numbers. Write $<$, $>$, or $=$ for each \bigcirc .

25. $0.5 \bigcirc 0.43$ 26. $\frac{3}{7} \bigcirc 0.45$ 27. $-0.70 \bigcirc -\frac{3}{5}$
28. $-0.04 \bigcirc -\frac{1}{25}$ 29. $5.734 \bigcirc 5\frac{5}{8}$ 30. $-\frac{4}{3} \bigcirc \frac{4}{3}$

Compare the rational numbers and order them from least to greatest.

31. $\frac{1}{2}, \frac{2}{5}, 0.32, \frac{1}{4}$ _____
32. $-0.3, 0.03, 30, -30$ _____
33. $\frac{1}{4}, \frac{1}{7}, \frac{1}{9}, 0.1$ _____

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