NAME_____

Module 5 **Decimal Operations, Exponents, and Powers**
Lesson 2 **Converting, Comparing, and Ordering**

Independent Practice 5.2

Order each set of numbers from least to greatest.

1. 1, 0.4, -1, $\frac{3}{10}$

2. -0.25, 0, -0.35, $\frac{1}{2}$

3. $\frac{3}{4}$, -1, 1, 0.8

4. 0.65, 0.5, -0.05, $-\frac{1}{3}$

Order each set of numbers from greatest to least.

5. $\frac{9}{10}$, 0.95, 1, 0.75

6. -0.66, 0, 0.15, $-\frac{1}{4}$

7. $-\frac{1}{5}$, -0.22, -1, -0.3

8. $\frac{4}{5}$, 0.4, 1, 0.75

Use <, >, or = to compare each set of numbers.

9. 0.45 and $\frac{1}{2}$

10. 33% and 0.3

11. $\frac{3}{5}$ and 0.6

12. 1.15 and $1\frac{1}{5}$

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Use <, >, or = to compare each set of numbers.

13. 25% and $\frac{1}{3}$

14. -4.8 and $-4\frac{4}{5}$

Solve each problem.

15. Kellie earned a grade of 70% on the math exam. Blake correctly answered 34 out of 50 questions on the same math exam. Who had the greater percentage on the exam?

16. Ben sold 19 out of 50 candles. Jacque sold eight out of 25 candles. Who had the greater sales percentage?

Journal

1. Explain how to order $\frac{3}{5}$, $\frac{3}{4}$, and 0.7 from least to greatest.

2. Which is greater: $\frac{1}{2}$, $\frac{6}{10}$, 0.49, or 68%? Explain your reasoning.

3. Name a number that lies between $\frac{2}{5}$ and $\frac{1}{2}$. Explain how you can use decimals and a number line to help you.

Cumulative Review

Round each decimal to the nearest whole number.

1. 0.15 **2.** 7.809 **3.** 3.721

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Round each decimal to the nearest tenth.

4. 2.65 **5.** 0.761 **6.** 0.621

Round each decimal to the nearest hundredth.

7. 0.3882 **8.** 10.1252 **9.** 3.655

Round each decimal to the nearest thousandth.

10. 0.14728 **11.** 1.8016 **12.** 24.0004

Use <, >, or = to compare each pair of decimals.

13. 0.14476 and 0.14746 **14.** -0.055 and -0.115

15. -8.2491 and -8.2391

Round each decimal to the nearest tenth. Then, compare the rounded numbers using <, >, or =.

16. 0.605 and 0.614 **17.** -4.7499 and -4.7502

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Additional Work Area

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