

Independent Practice

5.1

NAME _____

Module 5 **Decimal Operations, Exponents, and Powers**
Lesson 1 **Rounding and Comparing Decimals**

Round each decimal to the nearest whole number.

1. 5.09

2. 0.761

3. 3.655

Round each decimal to the nearest tenth.

4. 1.23

5. 0.9901

6. 4.408

Round each decimal to the nearest hundredth.

7. 0.5645

8. 6.089

9. 2.196

Round each decimal to the nearest thousandth.

10. 9.0005

11. 0.2417

12. 7.8753

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

13. 2.38 and 2.58

14. -3.455 and 3.456

15. 0.2576 and 0.2568

16. 0.1330 and 0.133

17. -9.4491 and -9.4391

18. -1.9431 and -1.8999

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

19. 0.405 and 0.414

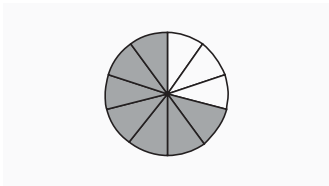
20. -8.7488 and -8.7501

Journal

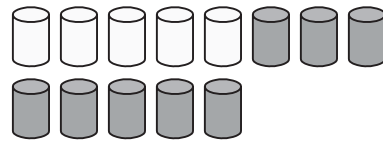
- Which will give you the greatest number: rounding 0.4168 to the nearest tenth or the nearest hundredth? Explain.
- Round 2.0521 to the nearest thousandth. Explain your procedure.
- Which number is closer to zero on a number line: -3.1208 or -3.1028? Explain.

Cumulative Review

1. Name the fraction shown by the shaded region.



2. What is the ratio of shaded cylinders to white cylinders? Express the ratio in all three ways.



3. Complete the table.

Fraction	Decimal	Percent
	0.97	

4. Write the fraction in simplest form.

$$\frac{14}{30}$$

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5. Write the mixed number as an improper fraction.
 $4\frac{2}{3}$
6. Write the improper fraction as a mixed number.
 $\frac{15}{4}$
7. Find the greatest common factor of 22 and 121.
8. Find the least common multiple of 18 and 72.
9. Find the LCM of 9, 12 and 18 using prime factorization.
10. Jordan is making picture frames for her friends. She wants to glue shells around each frame. Medium shells come in packages of 20, small shells come in packages of 30, and large shells come in packages of 12. If Jordan buys at least one package of small shells, how many shells of each size will she have to buy to have an equal number of each? How many packages of each size will she have to buy?

Additional Work Area