

Chapter 7 — Rational Numbers

Worksheet A: Guided Practice

Name: _____ Grade: _____ Date: _____

1. Is 4 rational?

Try writing it as a fraction.

2. Is -7 rational?

Try writing it as a fraction.

3. Is 0.25 rational?

Does it terminate?

4. Write 0.5 as a fraction.

Use place value: 5 tenths.

5. Is $\frac{1}{0}$ rational?

Check the denominator.

6. Write 0.25 as a fraction.

Use place value: 25 hundredths.

7. Write -0.6 as a fraction.

6 tenths, then make it negative.

8. Write $\frac{1}{2}$ as a decimal.

Divide 1 by 2.

9. Write $\frac{3}{4}$ as a decimal.

Divide 3 by 4.

10. Compare 0.5 and $\frac{1}{2}$.

Convert to the same form.

11. Compare -0.4 and $-\frac{2}{5}$.

Convert to the same form.

12. Order from least to greatest: -0.5 , 0 , $\frac{1}{4}$.

Use number line thinking.

13. Calculate: $0.25 + 0.5$

Add as decimals.

14. Calculate: -0.5×4

Think: half of 4, then check the sign.

15. Explain why $0.75 = \frac{3}{4}$.

Use place value, then simplify.