

Name: _____

Date: _____

Score: _____ / 19

Rational Numbers

Adding, subtracting, comparing and ordering positive and negative fractions and decimals.

Rational any fraction of two integers	Same signs add, keep sign	Different subtract, keep bigger sign	Compare further left = smaller
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Section A — Adding Fractions

Give the answer in lowest terms.

- $(-1/2) + 3/4 =$ _____
- $2/3 + (-1/6) =$ _____
- $(-3/5) + (-1/10) =$ _____
- $5/8 + (-1/4) =$ _____
- $(-7/12) + 1/3 =$ _____
- $1/9 + (-5/6) =$ _____

Section B — Adding Decimals

Find each sum.

- $-2.5 + (1.75) =$ _____
- $3.4 + (-6.2) =$ _____
- $-0.75 + (-1.25) =$ _____
- $8.6 + (-2.9) =$ _____
- $-4.05 + (4.05) =$ _____
- $-1.2 + (-3.8) =$ _____

Section C — Compare

Write <, > or =.

- -3.5 ____ -7.25
- 2.75 ____ 6.5
- -9.4 ____ -1.6
- 0.5 ____ -8.5

Section D — Word Problems

Show your work.

- A share falls 2.5% then rises 2.5%. Is it back to the start?
- Order from least to greatest: $-1/2$, 0.4 , -0.75 , $1/4$
- A temperature of -3.5 C rises 8.25 degrees. New temperature?

Rational Numbers — Answer Key

For marking. Accept equivalent correct forms.

Section A — Adding Fractions

1. $\frac{1}{4}$

2. $\frac{1}{2}$

3. $-\frac{7}{10}$

4. $\frac{3}{8}$

5. $-\frac{1}{4}$

6. $-\frac{13}{18}$

Section B — Adding Decimals

7. -0.75

8. -2.8

9. -2

10. 5.7

11. 0

12. -5

Section C — Compare

13. >

14. <

15. <

16. >

Section D — Word Problems

17. no, it is slightly lower

18. -0.75, $-\frac{1}{2}$, $\frac{1}{4}$, 0.4

19. 4.75 C
