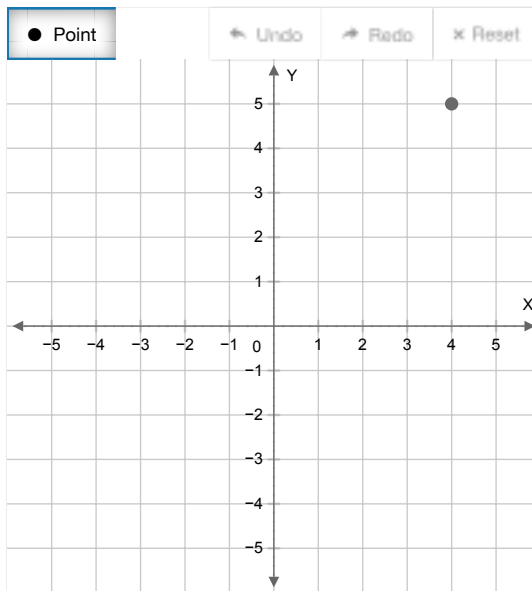
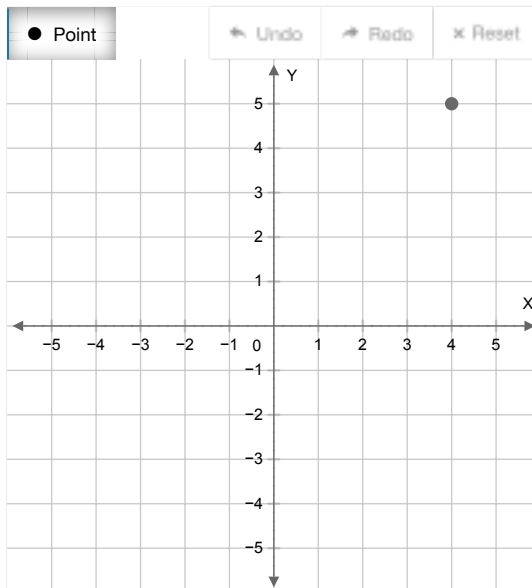


## HW:Rational Number Operation

1. (a) Reflect the point  $(4, 5)$  in the  $x$ -axis.



- (b) Reflect the point  $(4, 5)$  in the  $y$ -axis.



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2. Find the sum.

$$-2.8 + (-12) = \square$$

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3. Find the sum.

$$-2.6 + 4.3 = \square$$

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4. Find the sum.

$$-\frac{3}{4} + \left(-\frac{1}{3}\right) + 1\frac{3}{4} = \square$$

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5. **DIFFERENT WORDS, SAME QUESTION** Which is different?

- Add  $-4.5$  and  $3.5$ .
- What is  $-4.5$  increased by  $3.5$ ?
- What is the distance between  $-4.5$  and  $3.5$ ?
- Find the sum of  $-4.5$  and  $3.5$ .

Find "both" answers.

Answer for the "different" question:

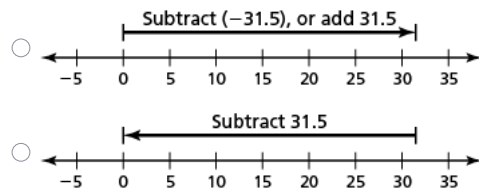
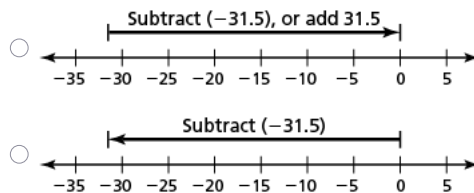
Answer for the "same" questions:

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6. Find the difference.

$$0 - (-31.5) = \square$$

Choose a number line to justify your answer.



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7. Find the difference.

$$-12 - 14 = \square$$

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8. Find the difference. Write your answer as a decimal.

$$-17 - (-5.27) = \square$$

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9. Evaluate the expression. Write fractions in simplest form.

$$-4.8 \div \left| 2\frac{1}{5} + \left(-3\frac{7}{10}\right) \right| = \square$$

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10. Evaluate the expression. Write your answer as a decimal.

$$-10.375 + 2.5^3 - 7.5 = \square$$

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11. Which expression does *not* belong with the other three?

- $\frac{3}{4} - \left(\frac{1}{2}\right)^2 \cdot \frac{2}{3}$   
  $\left[\frac{3}{4} - \left(\frac{1}{2}\right)^2\right] \cdot \frac{2}{3}$   
  $\frac{3}{4} - \left[\left(\frac{1}{2}\right)^2 \cdot \frac{2}{3}\right]$   
  $\frac{3}{4} - \frac{2}{3} \cdot \left(\frac{1}{2}\right)^2$

Explain your reasoning.

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12. Find the quotient.

$$\frac{5}{4} \div \left(-\frac{2}{3}\right) = \square$$

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13. Find the quotient.

$$14 \div \frac{7}{9} = \square$$

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14. Evaluate the expression. Write your answer as a decimal.

$$3.4 + 2.5 \times 8.4 = \square$$

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15. Evaluate the expression. Write the fraction in simplest form.

$$-\frac{5}{6} \div \left(\frac{1}{3}\right)^2 = \square$$

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16. Evaluate the expression. Write your answer as a decimal.

$$4.9 - 7.2 \div 1.6 \square$$

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17. Evaluate the expression. Write the fraction in simplest form.

$$-2\frac{1}{8} \div \frac{3}{4} \cdot \left(-\frac{6}{7}\right) = \square$$

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18. Evaluate the expression. Write your answer as a decimal.

$$4.7 - 1.4 \times (-7.4 + 6.9) = \square$$

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19. Evaluate the expression. Write the fraction in simplest form.

$$3\frac{3}{8} \cdot \left|1\frac{1}{3} - 2\frac{5}{9}\right| = \square$$

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20. Evaluate the expression. Write the fraction in simplest form.

$$\frac{3}{4} + \frac{7}{10} - \frac{1}{8} \div \left(-\frac{1}{2}\right) = \square$$

Grade 6 Accel: FL 2023>Chapter 5>Section 5.5: Using Rational Number Operations>5.5: Practice (10 - 33)> Question #21

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