

Week of April 20-24, 2020

Mrs. Epperson

How are you doing? I am REALLY missing you ALL! If you are able, please connect with us through our google classroom. We have weekly calls on Thursdays if you are able to join us. They are NOT required, but it's nice to catch up and see your faces. The times we meet on Thursdays are 6th grade: 12:45-1:15, 7th grade: 1:15-1:45, and 8th grade: 1:45-2:15, you can find the link to connect with us in your student email (same email and password you use to log into chromebooks; remember, the ending of your email address is @oakland5.org)

You may use your math folder to help you. You have to complete 1 worksheet, but may complete all 3. I am available at nichole.epperson@oakland5.org or 708-517-0534 for any questions. You may call or text.

All worksheets have the appropriate grade level/subject at the top.

| Class | Choice 1 | Choice 2 | Choice 3 |
|-------------------|-----------------|-----------------|-----------------|
| 6th grade math | 2-3 | 2-4 | 2-5 |
| 7th grade math | 2-2 | 2-3 | 2-6 |
| 8th grade Algebra | 1-10 | 2-2 | 2-3 |
| | | | |
| | | | |
| | | | |
| | | | |

Name: _____

2-3 Additional Practice

Week of 4/20-4/24

In 1-16, find each absolute value.

1. $|-21|$

2. $|7|$

3. $|\frac{-3}{5}|$

4. $|-5.5|$

5. $|8\frac{3}{4}|$

6. $|-19.5|$

7. $|48\frac{3}{8}|$

8. $|-102.06|$

9. $|-22|$

10. $|45|$

11. $|13|$

12. $|48|$

13. $|-55.5|$

14. $|21\frac{1}{3}|$

15. $|-2.6|$

16. $|-9|$

In 17-20, order the numbers from least to greatest.

17. $|-20|, |16|, |-2|, |37|$

18. $|\frac{1}{4}|, |-\frac{1}{3}|, |-\frac{1}{8}|, |0|$

19. $|-1.5|, |1\frac{3}{4}|, |2.5|, |-2|$

20. $|6|, |0|, |-9|, |-4.2|$

21. Four submarines are exploring an undersea trench. The depth of each submarine is shown. Use absolute values to represent the distance of each submarine from sea level. Which submarine is closest to sea level?

Submarine Depths

| Submarine | Depth (km) |
|-----------|------------|
| W | -1.5 |
| X | -3.4 |
| Y | -2.6 |
| Z | -4 |

22. Three friends started savings accounts at the same time, with the same initial deposit. The table at the right shows the total change in each friend's account after two months. List the friends in order from least to greatest total change in bank account balance.

Bank Accounts

| Account Owner | Amount of Change |
|---------------|------------------|
| Louise | -\$56.84 |
| Franklin | \$28.69 |
| Hannah | \$89.12 |

Choice 1



PRACTICE



TUTORIAL

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6th grade math- Epperson, week of 4/20-4/24

23. The table at the right shows the changes in the number of items answered correctly from a first math test to a second math test for five students. Order the students based on the least change to the greatest change.

| Student | Change in Number of Correct Answers |
|---------|-------------------------------------|
| Antoine | 4 |
| Lauren | -6 |
| Micah | 3 |
| Beth | 0 |
| Pat | -5 |

24. **Higher Order Thinking** Is it possible that Lauren answered more questions correctly on the second math test than Antoine did? Explain.

25. **Vocabulary** Use $<$, $>$, or $=$ to compare the *absolute values* of -0.3 and $\frac{1}{4}$. Explain.

26. A bird flies $13\frac{7}{10}$ feet above sea level. A fish swims $16\frac{1}{5}$ feet below sea level. Which is farther from sea level?

27. Which account's balance represents a debt greater than \$50?

| Account | Balance (\$) |
|---------|--------------|
| A | -60 |
| B | -25 |
| C | -35 |

✓ Assessment Practice

28. The table below shows the daily low temperatures for four days.

| Day | Low Temperature |
|-----------|-----------------|
| Monday | 3°F |
| Tuesday | -4°F |
| Wednesday | -1°F |
| Thursday | 2°F |

PART A

Using absolute value, show the distance each temperature is from 0 degrees.

PART B

Which was the coldest day?



2-4 Additional Practice

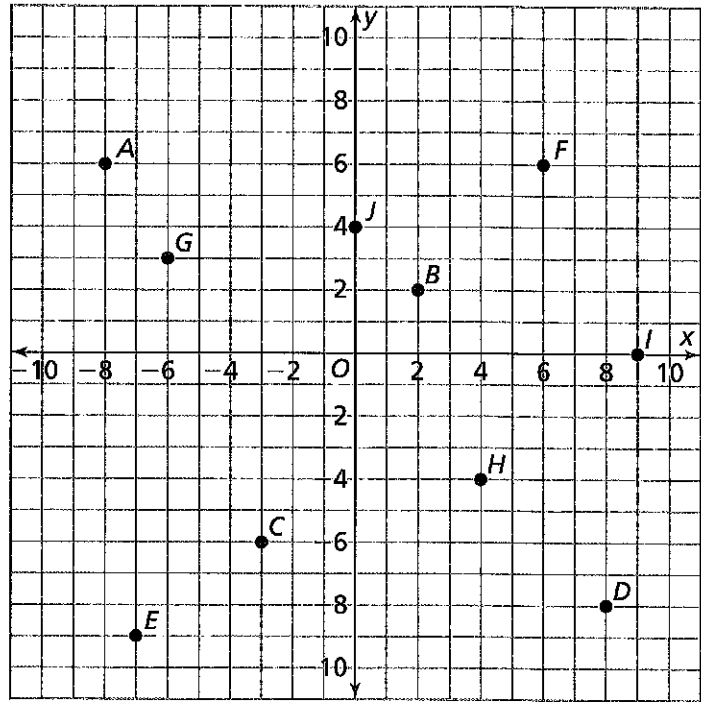
Week of 4/20-4/24

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In 1-10, write the ordered pair for each point.

- | | |
|------|-------|
| 1. A | 2. B |
| 3. C | 4. D |
| 5. E | 6. F |
| 7. G | 8. H |
| 9. I | 10. J |

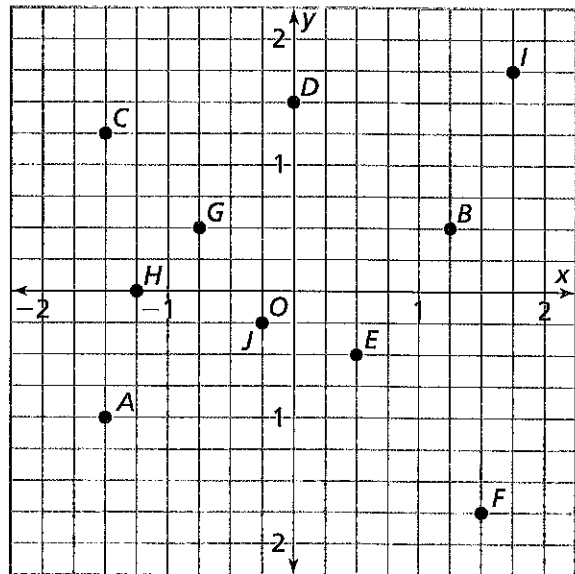


In 11-16, graph and label each point.

- | | |
|-----------------|----------------|
| 11. $U(-5, -3)$ | 12. $V(-9, 3)$ |
| 13. $W(3, 8)$ | 14. $X(8, 3)$ |
| 15. $Y(6, -6)$ | 16. $Z(-5, 0)$ |

In 17-26, write the ordered pair for each point.

- | | |
|-------|-------|
| 17. A | 18. B |
| 19. C | 20. D |
| 21. E | 22. F |
| 23. G | 24. H |
| 25. I | 26. J |



In 27-32, plot and label each point.

- | | | |
|----------------------|---------------------------|---------------------------------------|
| 27. $U(1, -1.5)$ | 28. $V(-\frac{1}{2}, 1)$ | 29. $W(-1\frac{3}{4}, -1\frac{3}{4})$ |
| 30. $X(1.75, -0.75)$ | 31. $Y(0, -1\frac{3}{4})$ | 32. $Z(\frac{3}{4}, 1)$ |

6th grade math- Epperson, week of 4/20-4/24

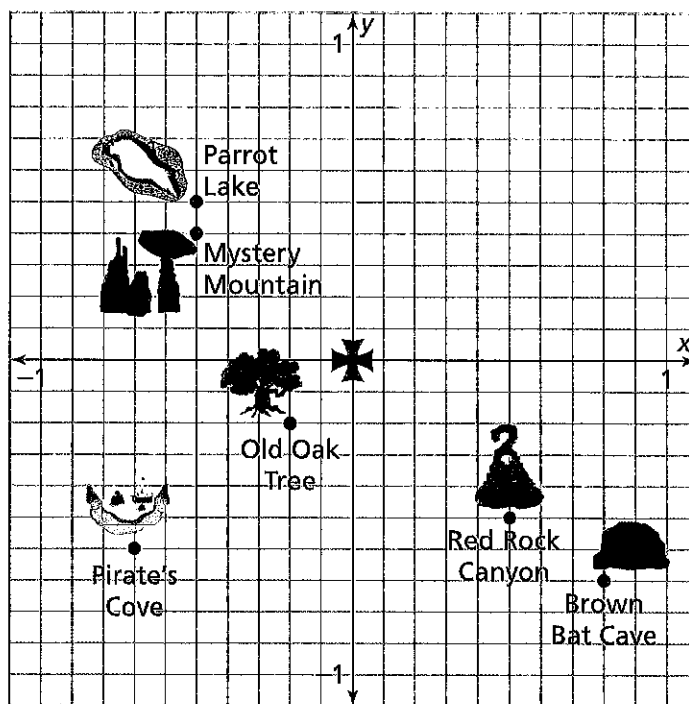
In 33-37, use the coordinate plane at the right.

33. What is located at $(0.5, -0.5)$?

34. What is located at $(-\frac{1}{2}, \frac{2}{5})$?

35. Write the ordered pair to locate Brown Bat Cave.

36. **Higher Order Thinking** Suppose ✖ marks the spot where the treasure is buried. Explain the shortest route, using grid lines as units, from Pirate's Cove to the treasure.



37. Which two locations are reflections of each other across one or both of the axes of the coordinate plane?

Assessment Practice

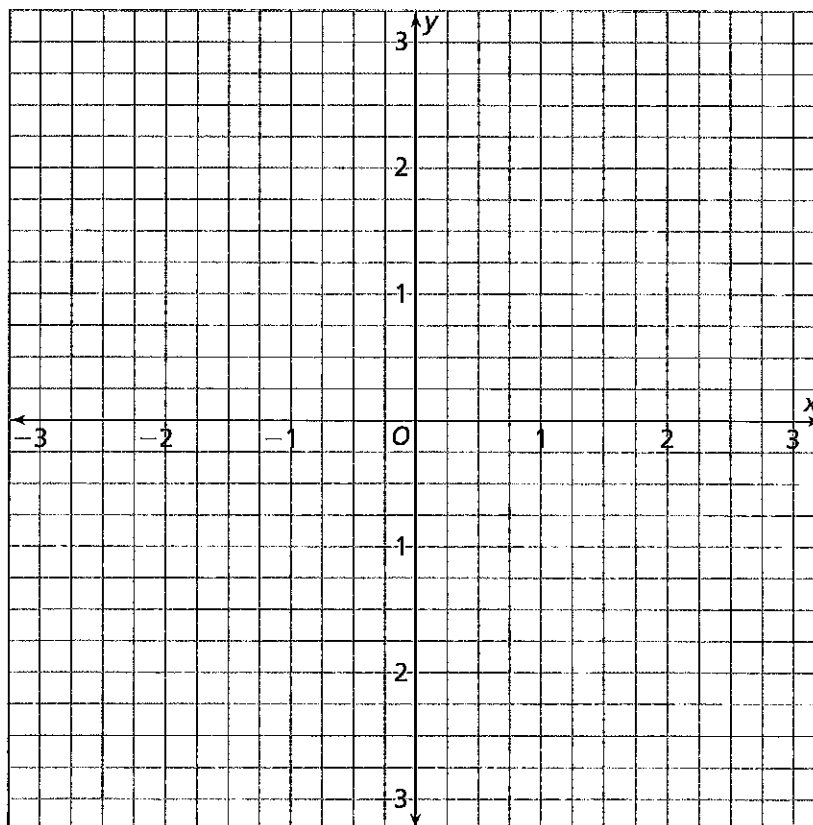
38. Graph and label each point on the coordinate plane at the right.

$E(-2\frac{1}{4}, -1\frac{3}{4})$

$F(1.5, -2.75)$

$G(-0.75, 0)$

$H(3, 1.5)$





2-5 Additional Practice

Week of 4/20-4/24

Leveled Practice In 1-8, find the distance between each pair of points.

1. $(5, -6)$ and $(2, -6)$

$$\begin{aligned} & | \quad | - | \quad | \\ & = \quad - \quad \\ & = \quad \text{units} \end{aligned}$$

2. $(-6, -4.7)$ and $(-6, 4.1)$

$$\begin{aligned} & | \quad | + | \quad | \\ & = \quad + \quad \\ & = \quad \text{units} \end{aligned}$$

3. $(-2\frac{1}{2}, 1\frac{3}{4})$ and $(-1\frac{1}{4}, 1\frac{3}{4})$

$$\begin{aligned} & | \quad | - | \quad | \\ & = \quad - \quad \\ & = \quad \text{units} \end{aligned}$$

4. $(-7, -4)$ and $(-7, 9)$

$$\begin{aligned} & | \quad | + | \quad | \\ & = \quad + \quad \\ & = \quad \text{units} \end{aligned}$$

5. $(2.4, 1.8)$ and $(-0.6, 1.8)$

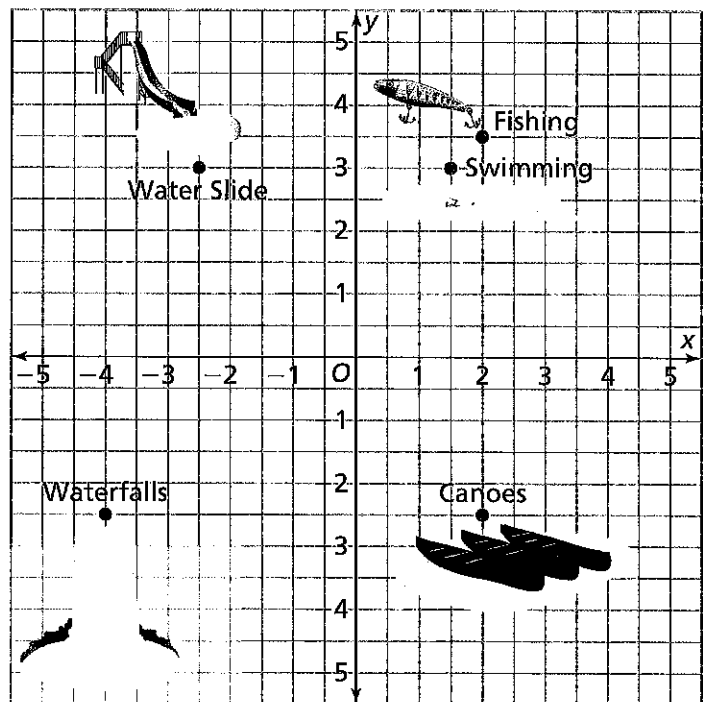
6. $(7\frac{1}{2}, -6)$ and $(7\frac{1}{2}, -2\frac{1}{2})$

7. $(0, -6)$ and $(-10, -6)$

8. $(-3, 8.5)$ and $(-3, 7.7)$

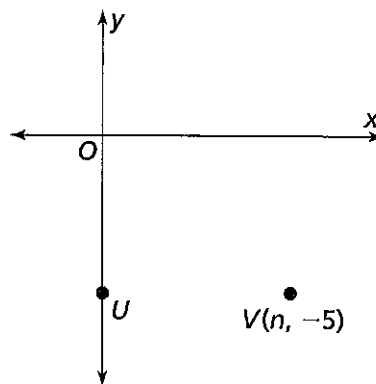
In 9-12, use the map at the right.

9. Find the distance from the fishing area to the canoes.
10. What is the distance from the swimming area to the water slide?
11. Find the total distance from the waterfalls to the canoes and then to the fishing area.
12. **Higher Order Thinking** What are the coordinates of the reflection of the water slide across both axes?



6th grade math- Epperson, week of 4/20-4/24
 In 13–15, use the coordinate plane at the right.

The graph shows the locations of point U and point V . Point W is graphed at $(n, 1)$. The distance from point V to point W is equal to the distance from point V to point U .



- 13. What is the distance from point V to point W ?
- 14. What is the value of n ?
- 15. What are the coordinates of point U , point V , and point W ?

16. **Reasoning** On a map, Jorge is standing at $(11, -11)$. His friend Leslie is standing at $(1, -11)$. If Jorge walks 10 units to the right, will he be standing with Leslie? Explain.

17. On a map, a museum is located at $(15, -2)$. A library is located at $(15, -17)$. If each unit on the map is a city block, how many city blocks is the museum from the library?

18. Write four examples of ordered pairs, each located in a different quadrant of the coordinate plane.

19. Airport A is located on a coordinate plane at $(-18, 14)$. Airport B is located at $(8, 14)$. How far apart are the airports?

Assessment Practice

20. You are given the following ordered pairs.
 $(4\frac{1}{2}, -1)$ $(-1\frac{1}{4}, 2\frac{1}{2})$ $(2\frac{1}{4}, 2\frac{1}{2})$ $(5\frac{1}{2}, 1\frac{1}{2})$ $(5\frac{1}{2}, -2\frac{1}{2})$

PART A

Graph the ordered pairs on the coordinate plane.

PART B

Find the two ordered pairs on the coordinate plane that are $3\frac{1}{2}$ units apart.

