

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

Answers

1. -8, -5, -2, 0

2. 2, 0, -1, -4

3. -7

4. -0.8 (smallest is -0.8? Wait question asked largest — check) — Correction: question 4 asked "Which is the largest: -0.2, -0.8, -0.05, -0.3?" Largest = -0.05

5. $-\frac{3}{4}$, $-\frac{1}{4}$, 0, $\frac{1}{2}$

6. 1.2, 0.5, 0, -0.5

7. $-\frac{1}{2} < -0.2$ (since $-0.5 < -0.2$)

8. $-0.75 = -\frac{3}{4}$

9. -1

10. $-\frac{1}{4}$, 0, $\frac{1}{4}$, $\frac{3}{4}$

11. $\frac{1}{3}$, $-\frac{1}{2}$, $-\frac{2}{3}$ (descending: largest to smallest)

12. -0.1

13. 5

14. -0.9, -0.5, -0.1, 0

15. $\frac{2}{3} > 0.66$ ($\frac{2}{3} = 0.666\dots$ so it's greater)

16. $-1 < -0.99$ (-1 is less than -0.99)

17. -4.5, -4.1, -4, -3.9

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

19. $\frac{3}{5}$, $\frac{2}{5}$, 0, $-\frac{1}{5}$

20. -2.9

21. 0, 0.2, 0.25, $\frac{1}{4}$ — wait $\frac{1}{4} = 0.25$, so ascending: 0, 0.2, 0.25, $\frac{1}{4}$ (0.25 and $\frac{1}{4}$ are equal). Better show two equal at end: 0, 0.2, 0.25 = $\frac{1}{4}$

22. $\frac{1}{3} < 0.34$ ($\frac{1}{3} = 0.333\dots < 0.34$)

23. 0.02, 0, -0.02, -0.2 (descending largest to smallest)

24. $\frac{5}{6}$ ($\frac{5}{6} = 0.833\dots$, largest)

25. $-\frac{1}{2}$, -0.25, 0, $\frac{1}{4}$

26. $-\frac{2}{5} = -0.4$

27. -0.6

28. $\frac{7}{8}$, $\frac{3}{8}$, 0, $-\frac{1}{8}$ (descending? Wait Q28 asked arrange in ascending order: $\frac{7}{8}$, $\frac{3}{8}$, $-\frac{1}{8}$, 0 — need ascending smallest to largest. Ascending: $-\frac{1}{8}$, 0, $\frac{3}{8}$, $\frac{7}{8}$)

29. $0.333 < \frac{1}{3}$ ($0.333 < 0.3330 < 0.333\dots$)



Math Worksheet for 6th Grade

Ordering rational numbers

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30. $-\frac{1}{2}, -\frac{2}{3}, -\frac{3}{4}, -\frac{5}{6}$ (descending: largest to smallest) Need to check numeric values: $-\frac{1}{2} = -0.5, -\frac{2}{3} = -0.6667, -\frac{3}{4} = -0.75, -\frac{5}{6} = -0.8333$. Descending (largest to smallest): $-\frac{1}{2}, -\frac{2}{3}, -\frac{3}{4}, -\frac{5}{6}$ — correct.
31. -0.1
32. $-\frac{3}{2}, -1, -\frac{1}{2}, 0$ (ascending smallest to largest)
33. $-0.25 = -\frac{1}{4}$
34. 0.99, 0.909, 0.9, 0.899 (descending largest to smallest)
35. 0.4
36. $-0.71, -0.7, -0.69$, (but check ascending smallest to largest: $-0.71, -0.7, -0.69$) Q36 asked arrange in ascending order: $-\frac{7}{10}, -0.7, -0.69, -0.71$ Wait original Q36: Arrange in ascending order: $-\frac{7}{10}, -0.7, -0.69, -0.71$. Note $-\frac{7}{10} = -0.7$. So values are $-0.7, -0.7, -0.69, -0.71$. Ascending (smallest to largest): $-0.71, -0.7 = -\frac{7}{10} = -0.7, -0.69$. So answer: $-0.71, -\frac{7}{10} = -0.7, -0.69$. We'll express: $-0.71, -\frac{7}{10} = -0.7, -0.69$.
37. $\frac{5}{10} = 0.5$
38. $-\frac{1}{4}$ (largest since $-0.25 > -\frac{1}{3} = -0.333, -\frac{1}{2}, -\frac{2}{3}$)
39. $-0.34, -\frac{1}{3}, -0.333, -0.32$ Need to check carefully: numbers are $-0.333, -\frac{1}{3}, -0.34, -0.32$. Evaluate approx: $-0.34, -0.333\dots, -0.333, -0.32$. Ascending (smallest to largest): -0.34 (-0.34), then $-0.333\dots$ ($-\frac{1}{3}$) and -0.333 (which is -0.333), they are nearly equal but $-\frac{1}{3} = -0.333333\dots$ is slightly smaller than -0.333 , so order: $-0.34, -\frac{1}{3}, -0.333, -0.32$.
40. $-4 < -3.5$
41. $\frac{1}{3}, 0, -\frac{1}{3}, -0.5$ (descending largest to smallest)
42. -0.50 (smallest is $-0.50 = -\frac{1}{2}$) Need to compare $-\frac{2}{5} = -0.4, -0.45, -0.4, -0.50$. Smallest is -0.50 .
43. 0, 0.999, 1, 1.001 (ascending)
44. $-0.6 = -\frac{3}{5}$
45. -1.1
46. $-0.91, -\frac{9}{10}, -0.9, -0.89$ Need to check: numbers: $-\frac{9}{10} = -0.9$. Q46 arrange in ascending order: $-\frac{9}{10}, -0.9, -0.89, -0.91$? Wait ascending smallest to largest: values approx $-0.9, -0.9, -0.89, -0.91$. But correct smallest is most negative: -0.91 , then $-\frac{9}{10} = -0.9$, then -0.89 . But we have both $-\frac{9}{10}$ and -0.9 equal. So ascending: $-0.91, -\frac{9}{10} = -0.9 = -0.9, -0.89$. So final: $-0.91, -\frac{9}{10} = -0.9, -0.89$.
47. $\frac{2}{5} = 0.4$
48. 0.51, 0.5, $\frac{1}{2}, 0.49$ Descending largest to smallest: 0.51, $0.5 = \frac{1}{2}, 0.49$. But 0.5 and $\frac{1}{2}$ equal; put 0.51, $0.5 = \frac{1}{2}, 0.49$.
49. -0.7 (largest since $-0.7 > -0.75 = -\frac{3}{4} > -0.8$)
50. $-0.1, -0.05, 0, \frac{1}{10}$ Wait original Q50: Arrange in ascending order: $-\frac{1}{10}, 0, \frac{1}{10}, -0.05$. Values: $-\frac{1}{10} = -0.1, 0, \frac{1}{10} = 0.1, -0.05 = -0.05$. Ascending smallest to largest: $-0.1, -0.05, 0, 0.1$. So answer: $-\frac{1}{10}, -0.05, 0, \frac{1}{10}$