



Note:

If the questions have **ONLY** fractions in them than you must have fractional answers. If the questions have decimal and fractions, then your answer can either be in decimal for of fraction form

Homework

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Questions:

12aceh. 13, 14aceg,
16bf,17ac,21,23ad,24ad

12. Write 3 rational numbers between each pair of numbers.

a) 3.7, 4.2

c) $-4.5, -4$

e) $-5.6, 5.7$

h) $-2.98, -2.99$

d) $-5.6, -4.5$

13. The thermostat on a freezer is set at -18°C . The compressor on the freezer turns on and cools down the freezer when the temperature rises to -15.5°C . The compressor turns off when the temperature drops to -19.5°C .

- a) Sketch a thermometer and mark the 3 freezer temperatures.
- b) A package of meat must remain below -18°C . Should this freezer be used? Explain.

14. Write 3 rational numbers between each pair of numbers. Sketch a number line to show all the rational numbers.

a) $\frac{5}{8}, \frac{13}{8}$

c) $-\frac{15}{4}, -\frac{11}{3}$

e) $\frac{1}{6}, 0.5$

g) $-\frac{14}{5}, -3$

16. Which rational number is greater? Which strategies did you use to find out?

b) $-2.34, -2.3$

d) $3.96, -4.12$

17. Which rational number is less?
Explain how you know.

a) $\frac{3}{4}, \frac{3}{5}$

c) $-\frac{13}{10}, -\frac{13}{5}$

21. Use $<$, $>$, or $=$ to make each expression true. Justify your answers.

a) $-\frac{5}{7} \square -\frac{4}{7}$

b) $-\frac{5}{6} \square -\frac{5}{7}$

c) $-2.2 \square -\frac{11}{5}$

d) $-4.4\overline{6} \square -4.46$

24. Show each set of numbers on a number line. Order the numbers from greatest to least.

a) $\frac{3}{8}, -\frac{3}{4}, -\frac{1}{2}, -\frac{5}{8}, \frac{1}{4}, 0$

c) $-\frac{9}{5}, -\frac{17}{10}, -1\frac{1}{2}, \frac{16}{4}, -\frac{11}{4}, \frac{21}{5}$

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