

# EXTRA PRACTICE - Exercises

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## Unit I – The Structure of Mathematics Part D – Further Investigation of Relation Symbols Lesson 1 – Order of Numbers and the Number Line

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Label the appropriate points on a number line and assign the given numbers to those points as indicated.

- $+3.25$  assigned to point W
- $+1.8$  assigned to point H
- $-8$  assigned to point F
- $-1$  assigned to point F
- $-\frac{7}{2}$  assigned to point X
- $+5.\bar{3}$  assigned to point P
- $-\pi$  assigned to point M
- $\frac{+9}{2}$  assigned to point B
- $\sqrt{3}$  assigned to point A



Use each one of the three basic relation symbols ( $=$ ,  $<$ ,  $>$ ) in each of the following to make a true statement of relationship.

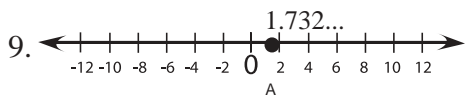
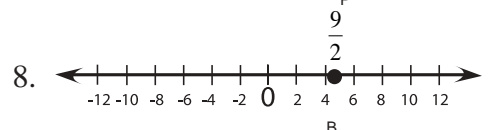
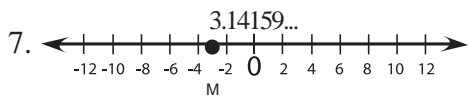
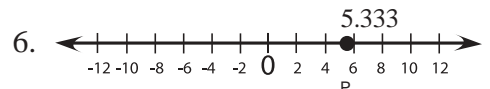
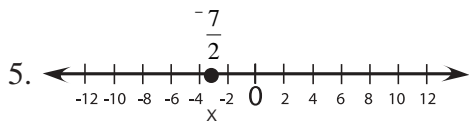
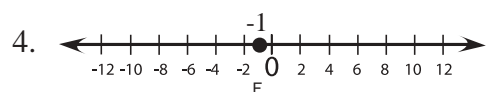
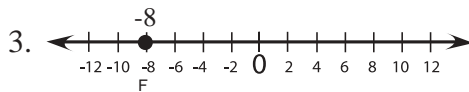
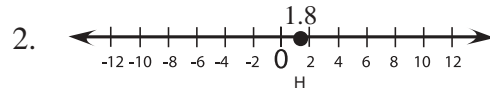
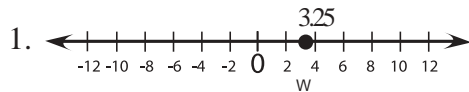
- $.68$  \_\_\_\_\_  $.6$
- $\frac{+2}{3}$  \_\_\_\_\_  $\frac{+4}{6}$
- $.001$  \_\_\_\_\_  $.01$
- $\frac{3}{11}$  \_\_\_\_\_  $\frac{2}{7}$
- $-11$  \_\_\_\_\_  $-8$
- $\pi$  \_\_\_\_\_  $\sqrt{5}$
- $-6.75$  \_\_\_\_\_  $-6.750$
- $0$  \_\_\_\_\_  $-3$
- $\frac{-5}{9}$  \_\_\_\_\_  $\frac{-3}{7}$
- $\frac{14}{3}$  \_\_\_\_\_  $4\frac{2}{3}$

# EXTRA PRACTICE — Answer Key

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Label the appropriate points on a number line and assign the given numbers to those points as indicated.



Use each one of the three basic relation symbols ( $=$ ,  $<$ ,  $>$ ) in each of the following to make a true statement of relationship.

10.  $.68 > .6$

11.  $+\frac{2}{3} = +\frac{4}{6}$

12.  $.001 < .01$

13.  $\frac{3}{11} > \frac{2}{7}$

14.  $-11 < -8$

15.  $\pi > \sqrt{5}$

16.  $-6.75 = -6.750$

17.  $0 > -3$

18.  $\frac{-5}{9} < \frac{-3}{7}$

19.  $\frac{14}{3} = 4\frac{2}{3}$