

Ordering Negatives

1) Place $>$, $<$ or $=$ between each pair of numbers to make the statement correct

- a) 2 -2 b) -5 1 c) -3 -2
- d) $-\frac{1}{2}$ $-\frac{2}{3}$ e) -2.1 -2.03 f) $-\frac{3}{4}$ -0.75
- g) -6.2 $-\frac{25}{4}$ h) -1.2 $-1\frac{1}{6}$

2) Place the following sets of numbers in ascending order

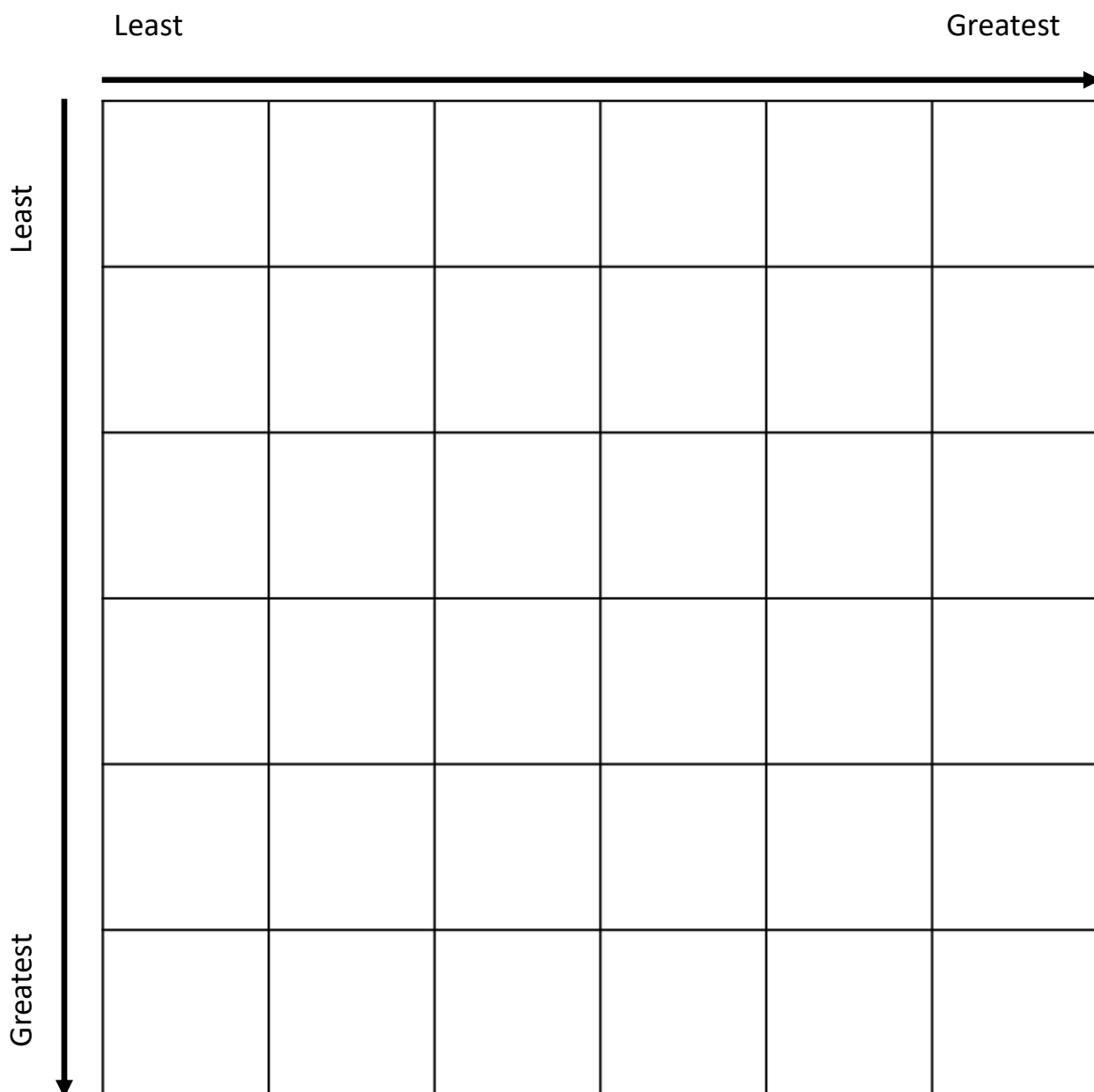
- a) -3 -5 6 -11 -8.5 -8 2 0
- b) -4.5 -5 -4.02 -4.15 -4.2
- c) $-\frac{1}{2}$ $-\frac{3}{4}$ $-\frac{7}{20}$ $-\frac{3}{5}$ $-\frac{7}{10}$

- 3) What number is 6 greater than 2?
- 4) What number is 6 less than 2?
- 5) What number is 6 greater than -2?
- 6) What number is 6 less than -2?
- 7) What number is five hundredths less than -0.23
- 8) What number is five hundredths greater than -0.23
- 9) What number is seven thousandths less than -3?
- 10) What number is seven thousandths greater than -3?
- 11) What number is in the middle of -4 and -2?
- 12) What number is in the middle of -2.5 and -2.3?
- 13) What number is in the middle of -4.5 and -3.5?
- 14) What number is in the middle of -2.1 and -1.8?
- 15) What number is in the middle of -0.23 and -0.3?

Challenge

Put these 36 numbers into the grid below so that every row and every column is in ascending order (from smallest to biggest). There's more than one possible answer!

3 -1 -28 -4 10 17 -15 -5 9
 0 8 4 13 -23 -12 -2 5 1
 -19 -3 -17 -26 7 2 -6 -1 -20
 18 -3 7 -11 -18 1 5 -21 9



Answers 1a) > b) < c) < d) > e) < f) = g) > h) < 2a) -11, -8.5, -8, -5, -3, 0, 2, 6
 b) -5, -4.5, -4.2, -4.15, -4.02 c) $-\frac{3}{4}, -\frac{7}{10}, -\frac{3}{5}, -\frac{1}{2}, -\frac{7}{20}$ 3) 8 4) -4 5) 4 6) -8
 7) -0.28 8) -0.18 9) -3.007 10) -2.993 11) -3 12) -2.4 13) -3 14) -1.95 15) -0.265