

## Hidden Message, Hidden Designs

Sue and her friends are playing a game in which each person takes turns hiding a bag of marbles and the others try to find it. Use the letters for each number below to solve Exercises 1–7.

<b>A</b> $-3$	<b>B</b> $-12$	<b>C</b> $-5$	<b>D</b> $2.5$	<b>E</b> $0.1$	<b>G</b> $5\frac{1}{3}$	<b>H</b> $0.05$
<b>I</b> $\frac{9}{4}$	<b>N</b> $\frac{12}{5}$	<b>R</b> $\frac{3}{8}$	<b>S</b> $-\frac{1}{4}$	<b>T</b> $0$	<b>U</b> $1\%$	

1. Compare E, S, and U. \_\_\_\_\_ < \_\_\_\_\_ < \_\_\_\_\_
2. Compare D, H, and I. \_\_\_\_\_ < \_\_\_\_\_ < \_\_\_\_\_
3. Compare E, H, and T. \_\_\_\_\_ < \_\_\_\_\_ < \_\_\_\_\_
4. Compare A, B, and G. \_\_\_\_\_ < \_\_\_\_\_ < \_\_\_\_\_
5. Compare I and N. \_\_\_\_\_ < \_\_\_\_\_
6. Compare E, H, and R. \_\_\_\_\_ < \_\_\_\_\_ < \_\_\_\_\_
7. Compare A, C, and R. \_\_\_\_\_ < \_\_\_\_\_ < \_\_\_\_\_
8. Examine your answers to Exercises 1–7. Use the ordered letters to find out where Sue hid the bag of marbles.

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Graph the ordered pairs for each exercise and connect the points in the order they are listed. Then connect your last point to your first point to discover the hidden design.

9.  $(-2, -2), (0, 4), (2, -2), (-2, 2), (2, 2)$     10.  $(0, 1), (0, 3), (2, 3), (2, 4), (4, 2), (2, 0), (2, 1)$

