

Name: \_\_\_\_\_

SOL 6.5 c

- Click on the link <https://www.geogebra.org/m/q2gec2vd#material/W5yfJVHq>
- Play with the blue dividend and red divisor sliders.

1. After moving around the blue and red slider:

- a. What did you notice?
- b. What did you wonder about?

Move the blue slider for dividend to 3 and **keep it there**.

2. Move the red slider (divisor), come up with 4 division problems that make the quotient (answer in green) **larger** than the dividend of 3.

- a.  $3 \div \underline{\quad} = \underline{\quad}$  (something greater than 3)
- b.  $3 \div \underline{\quad} = \underline{\quad}$  (something greater than 3)
- c.  $3 \div \underline{\quad} = \underline{\quad}$  (something greater than 3)
- d.  $3 \div \underline{\quad} = \underline{\quad}$  (something greater than 3)

3. In order to get an answer that was greater than divisor, the dividend has to be

\_\_\_\_\_.

4. Move the red slider (divisor), come up with 4 division problems that make the quotient (answer in green) **smaller** than the dividend of 3.

- a.  $3 \div \underline{\quad} = \underline{\quad}$  (something smaller than 3)
- b.  $3 \div \underline{\quad} = \underline{\quad}$  (something smaller than 3)
- c.  $3 \div \underline{\quad} = \underline{\quad}$  (something smaller than 3)
- d.  $3 \div \underline{\quad} = \underline{\quad}$  (something smaller than 3)

5. In order to get an answer that was smaller than divisor, the dividend has to be:

\_\_\_\_\_.

