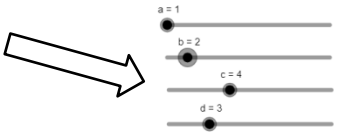
Name: _____ 6.5 a

Click on the following link. https://www.geogebra.org/m/A8ttQewj

C slider 

These 4 sliders change the numbers in the problem.

$$\frac{1}{2} \div \frac{4}{3} = \frac{3}{8}$$

$$\frac{1}{2} \div \frac{4}{4} = \frac{4}{8} \qquad \frac{1}{2} \div \frac{5}{4} = \frac{4}{10} \qquad \frac{1}{2} \div \frac{6}{4} = \frac{4}{12}$$

$$\frac{1}{2} \div \frac{7}{4} = \frac{4}{14} \qquad \frac{1}{2} \div \frac{8}{4} = \frac{4}{16} \qquad \frac{1}{2} \div \frac{9}{4} = \frac{4}{18}$$

$$\frac{1}{2} \div \frac{10}{4} = \qquad \frac{1}{2} \div \frac{11}{4} = \qquad \frac{1}{2} \div \frac{12}{4} =$$

Based on the pattern shown above, is there a short cut for dividing fractions?

So what would the answer be for the problems below?

$$\frac{1}{2} \div \frac{4}{3} = \qquad \frac{1}{2} \div \frac{5}{3} = \qquad \frac{1}{2} \div \frac{6}{3} =$$