









Dividing Fractions Codebreaker

The code for getting into a bank vault is a series of numbers. Nigel has been given the code for the bank vault, but it's been given to him as a load of symbols!

							
5							

Each symbol represents a number. Can you help Nigel to crack the code? Solve the equations to work out what number each shape represents, and write in the code above!

$$\frac{3}{\square} \div 3 = \frac{\diamond}{7}$$

$$\frac{3}{\triangle} \div 2 = \frac{3}{\diamond}$$

$$\frac{\circ}{\star} \div 2 = \frac{\square}{\star}$$

$$\frac{2}{7} \div 4 = \frac{1}{\circ}$$

$$\frac{\diamond}{3} \div \text{pentagon} = \frac{\diamond}{6}$$

$$\frac{\triangle}{5} \div 2 = \frac{2}{\circ}$$

$$\frac{2}{5} \div 3 = \frac{2}{\star}$$

$$\frac{8}{9} \div 4 = \frac{\text{pentagon}}{9}$$











Using the code, what is the missing number in this equation?

$$\frac{\circ}{\square} \div \text{pentagon} = \frac{?}{\circ}$$

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Answers

The code for getting into a bank vault is a series of numbers. Nigel has been given the code for the bank vault, but it's been given to him as a load of symbols!

							
5	4	8	2	1	7	15	14

Each symbol represents a number. Can you help Nigel to crack the code? Solve the equations to work out what number each shape represents, and write in the code above!

$$\frac{3}{\square} \div 3 = \diamond$$

$$\frac{3}{\triangle} \div 2 = \diamond$$

$$\frac{\circ}{\star} \div 2 = \square$$

$$\frac{3}{7} \div 3 = \frac{1}{7}$$

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

$$\frac{14}{15} \div 2 = \frac{7}{15}$$

$$\frac{2}{7} \div 4 = \frac{1}{\circ}$$

$$\frac{\diamond}{3} \div \square = \frac{\diamond}{6}$$

$$\frac{\triangle}{5} \div 2 = \frac{2}{\circ}$$

$$\frac{2}{7} \div 4 = \frac{1}{14}$$

$$\frac{1}{3} \div 2 = \frac{1}{6}$$

$$\frac{4}{5} \div 2 = \frac{2}{5}$$

$$\frac{2}{5} \div 3 = \frac{2}{\star}$$

$$\frac{8}{9} \div 4 = \frac{\square}{9}$$

$$\frac{2}{5} \div 3 = \frac{2}{15}$$

$$\frac{8}{9} \div 4 = \frac{2}{9}$$



Using the code, what is the missing number in this equation? 5.....

$$\frac{\circ}{\square} \div \square = \frac{?}{\circ}$$

$$\frac{5}{7} \div 2 = \frac{5}{14}$$