

2.2

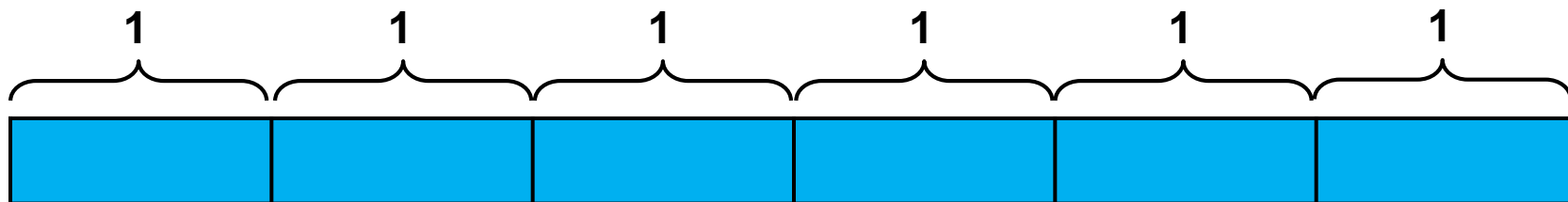
Dividing Fractions

DO NOW

$$1) \quad 3\frac{1}{3} \cdot 2\frac{7}{10} =$$

$$2) \quad 1\frac{1}{4} \cdot 50 =$$

Modeling Dividing Fractions



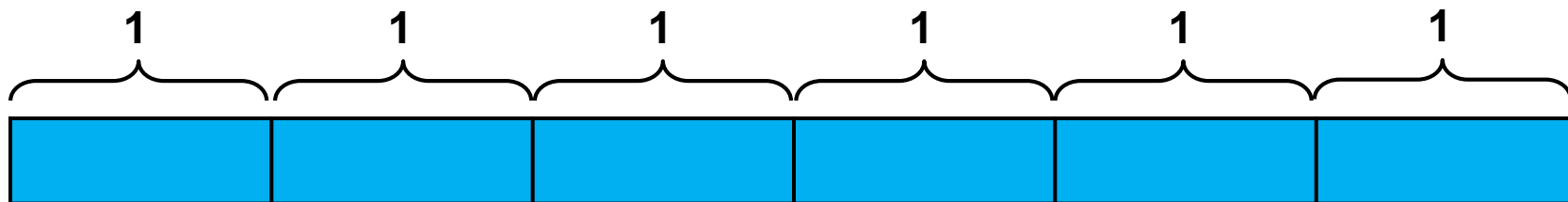
1) How many “twos” would fit into this model?

Write a math problem that represents this: _____

2) How many “threes” would fit into this model?

Write a math problem that represents this: _____

Modeling Dividing Fractions



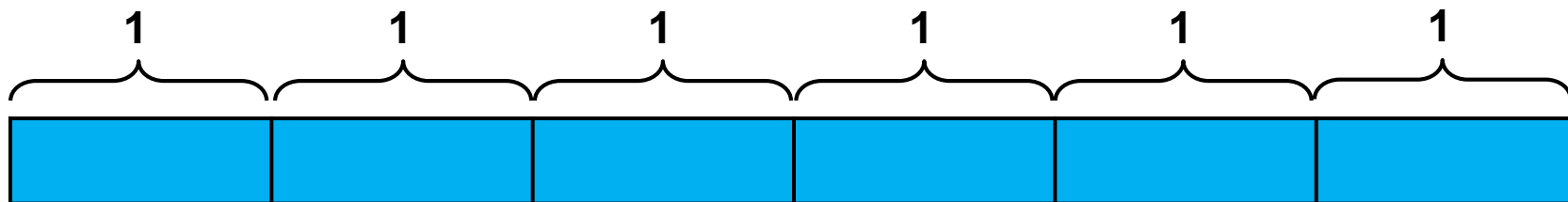
3) How many $\frac{1}{2}$'s would fit into this model?

Write a math problem that represents this: _____

4) How many $\frac{1}{3}$'s would fit into this model?

Write a math problem that represents this: _____

Modeling Dividing Fractions



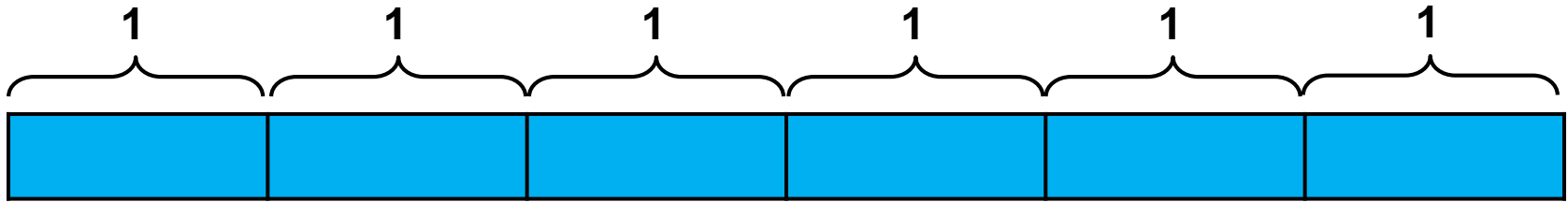
5) How many $\frac{1}{4}$'s would fit into this model?

Write a math problem that represents this: _____

6) How many $\frac{2}{3}$'s would fit into this model?

Write a math problem that represents this: _____

Modeling Dividing Fractions



7) How many $\frac{3}{4}$'s would fit into this model?

Write a math problem that represents this: _____

Reciprocals

Write the reciprocal of the following:

1) $\frac{3}{4}$

3) $\frac{9}{5}$

2) $\frac{8}{17}$

4) 6

Dividing Fractions

$$1) \quad \frac{7}{4} \div \frac{1}{3}$$

Dividing Fractions

$$2) \quad \frac{1}{5} \div \frac{2}{3}$$

Dividing Fractions

$$3) \quad \frac{5}{6} \div \frac{7}{9}$$

Dividing Fractions

$$4) \quad \frac{3}{5} \div 4$$

Dividing Fractions

$$5) \quad \frac{4}{7} \div 2$$

Real-Life Application

- 6) How many $\frac{2}{3}$ cup servings are there in a 12 cup box of cereal?

Order of Operations

$$7) \quad \frac{3}{8} + \frac{5}{6} \div 5$$

Order of Operations

$$8) \quad \frac{3}{8} \div \frac{3}{4} - \frac{1}{6}$$

Practice

$$1) \frac{2}{5} \div \frac{3}{5} = \frac{2}{\cancel{5}} \times \frac{\cancel{5}}{3} = \frac{2}{3}$$

$$6) \frac{3}{8} \div \frac{1}{2} =$$

$$2) \frac{5}{21} \div \frac{3}{7} =$$

$$7) \frac{2}{3} \div \frac{5}{6} =$$

$$3) \frac{3}{10} \div \frac{2}{5} =$$

$$8) \frac{6}{13} \div \frac{3}{4} =$$

$$4) \frac{5}{7} \div \frac{10}{11} =$$

$$9) \frac{3}{14} \div \frac{2}{7} =$$

$$5) \frac{7}{12} \div \frac{7}{8} =$$

$$10) \frac{8}{15} \div \frac{4}{5} =$$