

6.2 Dividing a Fraction by a Whole Number

Ex 1: Model

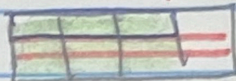
$$\frac{1}{4} \div 3$$



$$\frac{1}{12}$$

SYK

$$a) \frac{3}{4} \div 3$$



$$\frac{3}{12}$$

$$b) \frac{5}{6} \div 2$$

Ex 2: Application

Manny use $\frac{3}{4}$ of a jar of pasta on 6 serving. He used the same amount on each. How much did each serving get?

$$\frac{3}{4} \div 6$$

KISS: Keep first

: Switch Sign

÷: Switch Second

↳ flip it

$$\frac{3}{4} \times \frac{1}{6} \quad \left. \vphantom{\frac{3}{4} \times \frac{1}{6}} \right\} \text{Reciprocal}$$

$$= \frac{3}{24} \rightarrow \frac{1}{8}$$

SYK: Four students equally shared $\frac{1}{2}$ of a cake. How much of the cake did each student eat?

