

Multiplying Fractions

straight across

reduce or simplify if needed

$$\text{ex.) } \frac{1}{2} \times \frac{2}{3} = \frac{1 \times 2}{2 \times 3} = \frac{2}{6} \div 2 = \frac{1}{3}$$

$$\text{ex.) } 2\frac{1}{2} \times 1\frac{1}{3} = \frac{5}{2} \times \frac{4}{3} = \frac{5 \times 4}{2 \times 3} = \frac{20}{6} \div 2 = \frac{10}{3} = 3\frac{1}{3}$$

Cross-reduce

(simplify diagonals)

$$\text{ex.) } \frac{2}{3} \times \frac{1}{4} = \frac{1 \times 1}{3 \times 2} = \frac{1}{6}$$

$$\frac{2 \times 1}{3 \times 4} = \frac{2}{12} \div 2 = \frac{1}{6}$$

pg. 254 your turn now

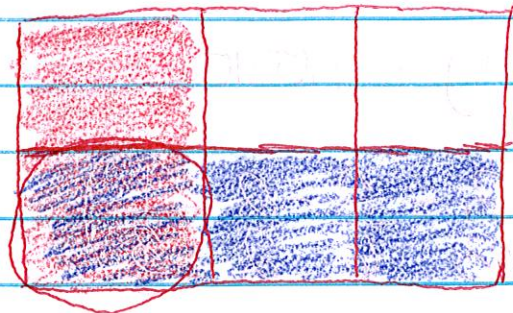
$$\text{a.) } \frac{3}{5} \times \frac{1}{2} = \frac{3}{10} \quad \text{b.) } \frac{1}{3} \times \frac{3}{4} = \frac{1}{4}$$

$$\text{c.) } \frac{2}{3} \times \frac{4}{1} = \frac{8}{3} = 2\frac{2}{3} \quad \text{d.) } \frac{1}{3} \times \frac{1}{7} = \frac{1}{21}$$

$$\text{ex.) } \frac{1}{3} \times \frac{1}{2}$$

CW:

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#4-10



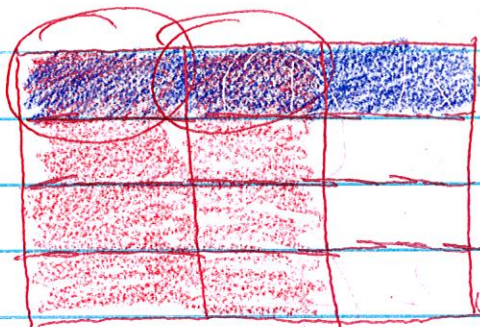
HW:

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#11-24

$$\frac{1}{6}$$

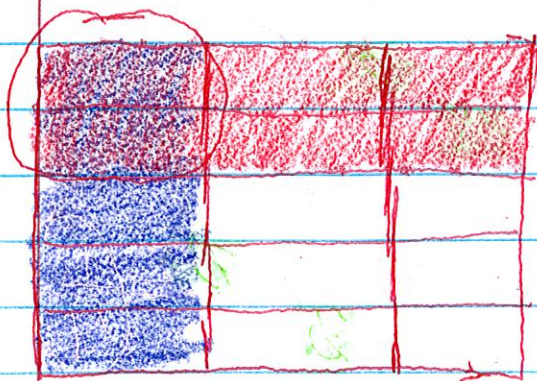
Learning Target:
I can multiply fractions.

$$\text{ex.) } \frac{2}{3} \times \frac{1}{4}$$



$$\frac{2}{12} = \frac{1}{6}$$

$$\text{ex.) } \frac{2}{5} \times \frac{1}{3}$$



$$\frac{2}{15}$$