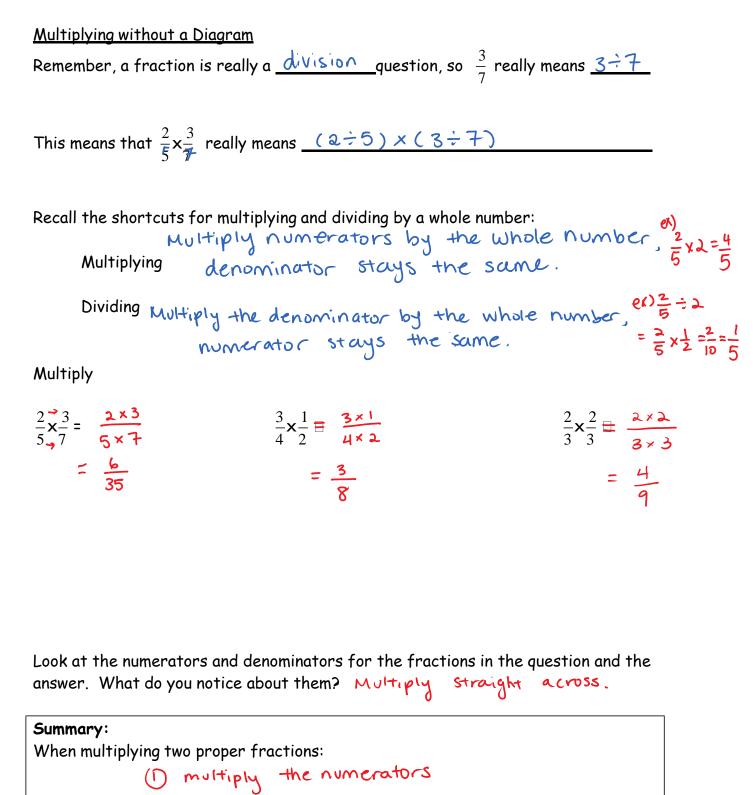
Date:

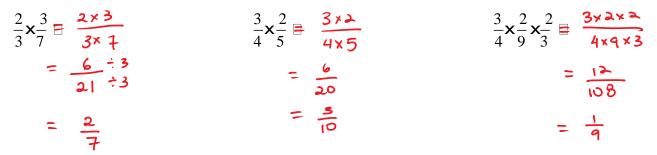
6.3 Notes: Multiplying Proper Fractions



2 multiply the denominators

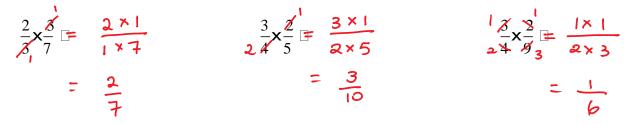
54

Remember to reduce to lowest terms

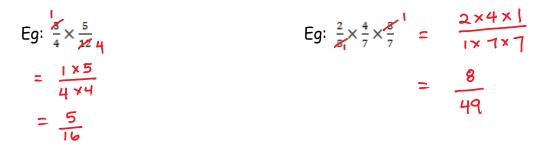


How hard do you think it might be to reduce the answer to $\frac{15}{16} \times \frac{8}{35}$?

Note: It is actually possible to cross reduce before you multiply!



When can you cross reduce? When you are reducing the <u>numerator</u> of one fraction and the <u>denominator</u> of another



Eg. In Jaycee's Pet store, three-eighther of the animals are fish, and twofifteenths of the fish are tropical fish. What fraction of the animals in the store are tropical fish?

$$\frac{3}{8} \text{ fish}$$

$$\frac{3}{8} \text{ fish}$$

$$\frac{3}{15} \text{ of the fish = tropical}$$

$$\frac{3}{15} \text{ of the fish = tropical}$$

$$\frac{3}{15} \frac{3}{5} \frac{3}{5} \frac{3}{4}$$

$$= \frac{1 \times 1}{5 \times 4}$$

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