

Cross Cancelling with Frank and Fred Frog!



When multiplying fractions, it can be helpful to first cross cancel any common factors. Cross cancelling can help you avoid having to multiply large numbers. It will also eliminate the need to reduce your answers! To cross cancel, just follow these steps!

- ❶ Find any factors the numerators share with the denominators.
- ❷ Cancel the common factors.
- ❸ Multiply the uncanceled parts of the numerators.
- ❹ Multiply the uncanceled parts of the denominators.

WHEN DIVIDING FRACTIONS, you must first flip the second fraction and then follow steps ❶ through ❹. Look at the examples below!

<p>Example 1: $\frac{6}{17} \times \frac{34}{27}$</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>6 = 3 × 2 27 = 3 × 9</p> <p>Frank</p> </div> <div style="text-align: center;"> <p>$\frac{2}{17} \times \frac{34}{27}$</p> <p>Fred</p> </div> </div> <p style="text-align: center;">$= \frac{4}{9}$</p>	<p>Example 2: $\frac{2}{7} \div \frac{8}{21}$</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>2 = 2 × 1 8 = 2 × 4</p> <p>Frank</p> </div> <div style="text-align: center;"> <p>$\frac{2}{7} \times \frac{21}{8}$</p> <p>Fred</p> </div> </div> <p style="text-align: center;">$= \frac{3}{4}$</p>
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Use cross cancelling and solve the problems below. Your solutions will give you the answer to **“Why did Frank and Fred’s dad sit still for 1,095 straight days?”**

E) $15/32 \times 16/25 =$

R) $12/49 \div 18/7 =$

A) $100/81 \times 21/20 =$

L) $9/8 \div 18/5 =$

E) $44/13 \times 52/33 =$

P) $70/81 \div 35/36 =$

Y) $8/45 \times 9/64 =$

A) $10/63 \div 15/28 =$

Write the letter of each problem over its corresponding answer.

The Frogs’ dad sat still for 1,095 straight days because he was waiting for a

$\frac{5}{16}$ $\frac{3}{10}$ $\frac{8}{27}$ $\frac{8}{9}$ $\frac{1}{40}$ $\frac{16}{3}$ $\frac{35}{27}$ $\frac{2}{21}$!