① Rules for adding and subtracting fractions:

- If the denominator are the same, add (or sub) the numerators, keep the denominator.
- If the denominator are different, Determine the LCD, rename the fraction so they have common denominators, then add (or sub) the numerators.

B/

C/ ②

Steps for Multiplying Fractions

1. Multiply the numerators
2. Multiply the denominators
3. Simplify

D/

B (ISN pg 24)

Changing mixed numbers to improper fractions

$3\frac{2}{5} = \frac{17}{5}$

$3 \times 5 + 2 = 17$

keep denominator

Changing improper fractions to mixed numbers.

$\frac{17}{5} = 3\frac{2}{5}$

$5\overline{)17}$ R 2

D (ISN pg 25)

How to simplify fraction by finding common factors - (ISN pg 20/21)

$\frac{48 \div 16}{64 \div 16} = \frac{3}{4}$

GCF of 48, 64 = 16

tube.com/watch?v=_YFM97_9IWw

$3 \div \frac{1}{2}$

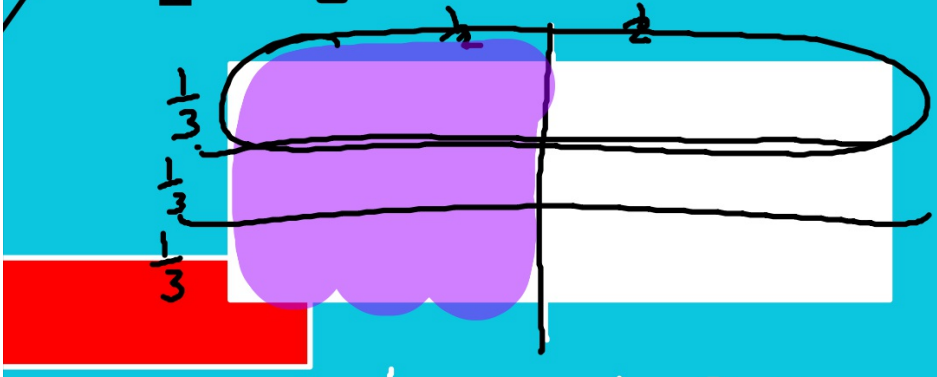
How many 1/2 pieces are there in 3 wholes?

Cut each one in half. How many $\frac{1}{2}$ are there?

Algorithm: $3 \div \frac{1}{2} = \frac{3}{1} \cdot \frac{2}{1} = \frac{6}{1} = 6$

Fatima has 3 candy bars and wants to share them with her friends. If she gives each friend 1/2 of a candy bar, how many friends can she share with?

C $\frac{1}{2} \div \frac{1}{3}$



Shaded circles $= \frac{3}{2} = 1\frac{1}{2}$

Algorithm $\frac{1}{2} \div \frac{1}{3} = \frac{1}{2} \cdot \frac{3}{1} = \frac{3}{2} = 1\frac{1}{2}$

D (Make up your own story problem for C.)

(3) A

$\frac{1}{2} + \frac{1}{2} = \frac{2}{2} = 1$

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

$\frac{2}{3} + \frac{1}{2} =$

$\frac{4}{6} + \frac{3}{6} = \frac{7}{6} = 1\frac{1}{6}$

B

$\frac{4}{5} - \frac{1}{5} = \frac{3}{5}$

$\frac{3}{8} - \frac{1}{8} = \frac{2}{8} = \frac{1}{4}$

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

$\frac{16}{20} - \frac{5}{20} = \frac{11}{20}$

C

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

$\frac{1}{8} \cdot \frac{4}{5} = \frac{4}{40} = \frac{1}{10}$

$\frac{6}{7} \cdot \frac{3}{4} = \frac{18}{28} = \frac{9}{14}$

(4)

D

$\frac{30}{36} \div \frac{6}{6} = \frac{5}{6}$

$\frac{24}{32} \div \frac{8}{8} = \frac{3}{4}$

$\frac{6}{18} \div \frac{6}{6} = \frac{1}{3}$

(3)

A/ $5 \div \frac{1}{3} =$

B/ Zeinab has 5 candy bars and will give each of her friends $\frac{1}{2}$ of a candy bar. How many friends can she share it with.

C/ $\frac{1}{2} \div \frac{2}{3} =$

(4)

D/ Make a story problem from part A or C.

(5)

A/

$\frac{2}{5} + \frac{1}{5} =$ [redacted]

$\frac{3}{8} + \frac{1}{8} =$ [redacted]

$\frac{1}{5} + \frac{1}{4} =$ [redacted]

C/

$\frac{2}{3} \cdot \frac{2}{5} =$ [redacted]

$\frac{1}{8} \cdot \frac{3}{9} =$ [redacted]

$\frac{3}{7} \cdot \frac{4}{7} =$ [redacted]

B/

$\frac{2}{5} - \frac{1}{5} =$ [redacted]

$\frac{3}{8} - \frac{1}{8} =$ [redacted]

$\frac{1}{4} - \frac{1}{5} =$ [redacted]

D/

$\frac{30}{39} =$ [redacted]

$\frac{24}{28} =$ [redacted]

$\frac{7}{49} =$ [redacted]

A $3 \div \frac{2}{5}$

B Rico's Pizza Parlor made six small pizzas for a party. The guests were each to get 1/2 of a pizza. How many guests can be served?

C $\frac{2}{5} \div \frac{2}{8}$

D Make up a story problem that can be solved using the expression from part A or C .