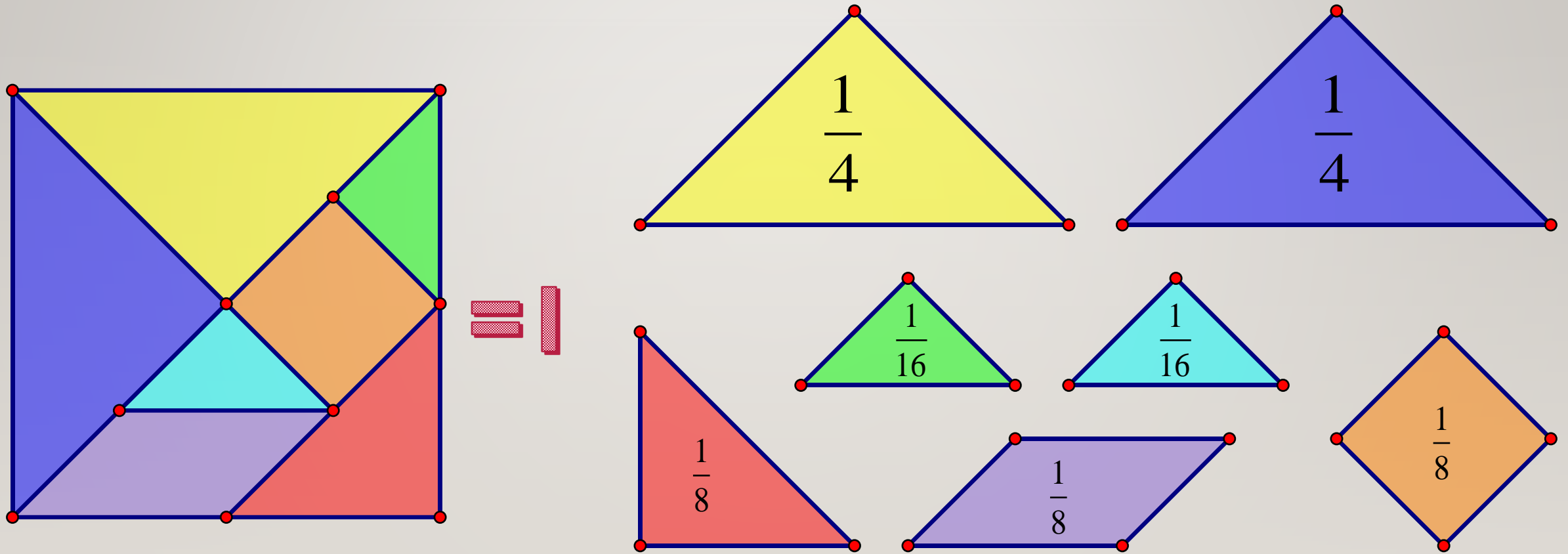


LESSON 5

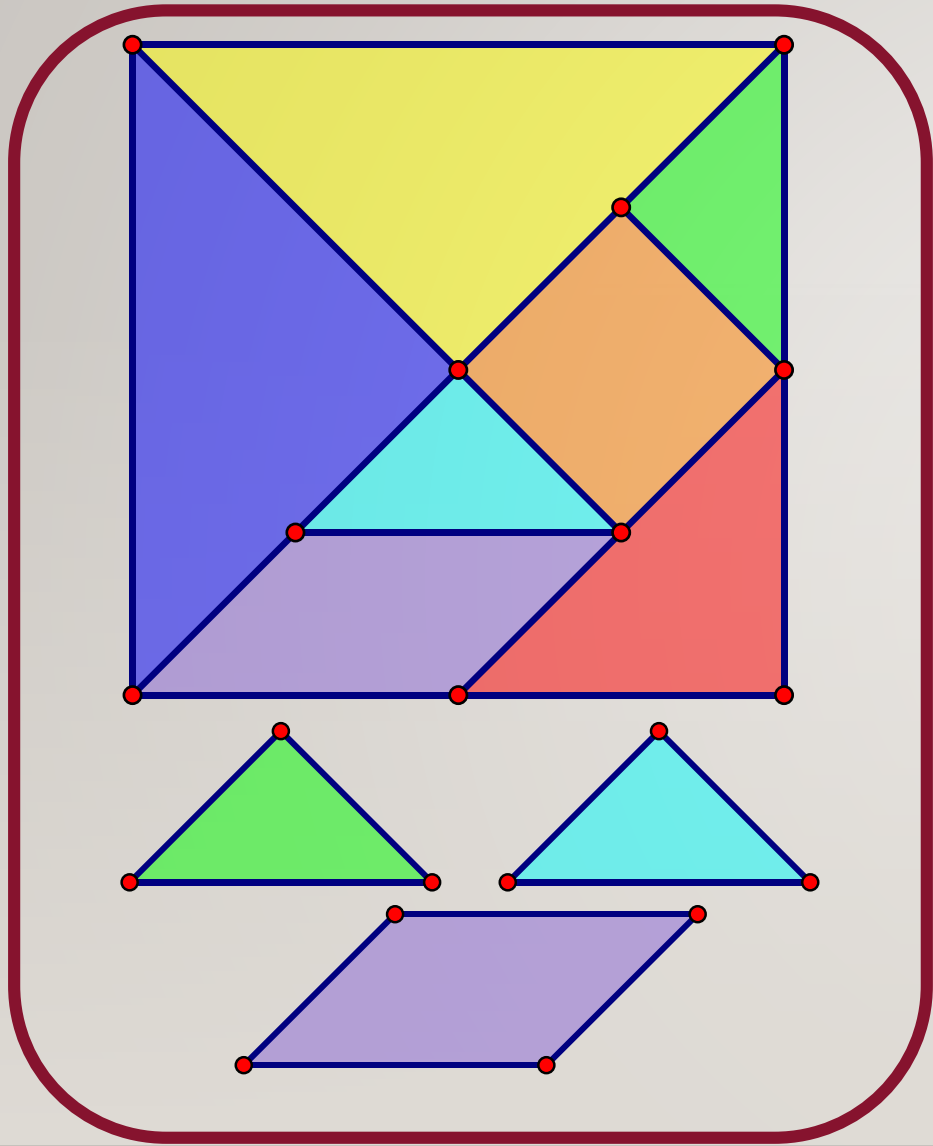
ADDING AND SUBTRACTING FRACTIONS

2019.1.23

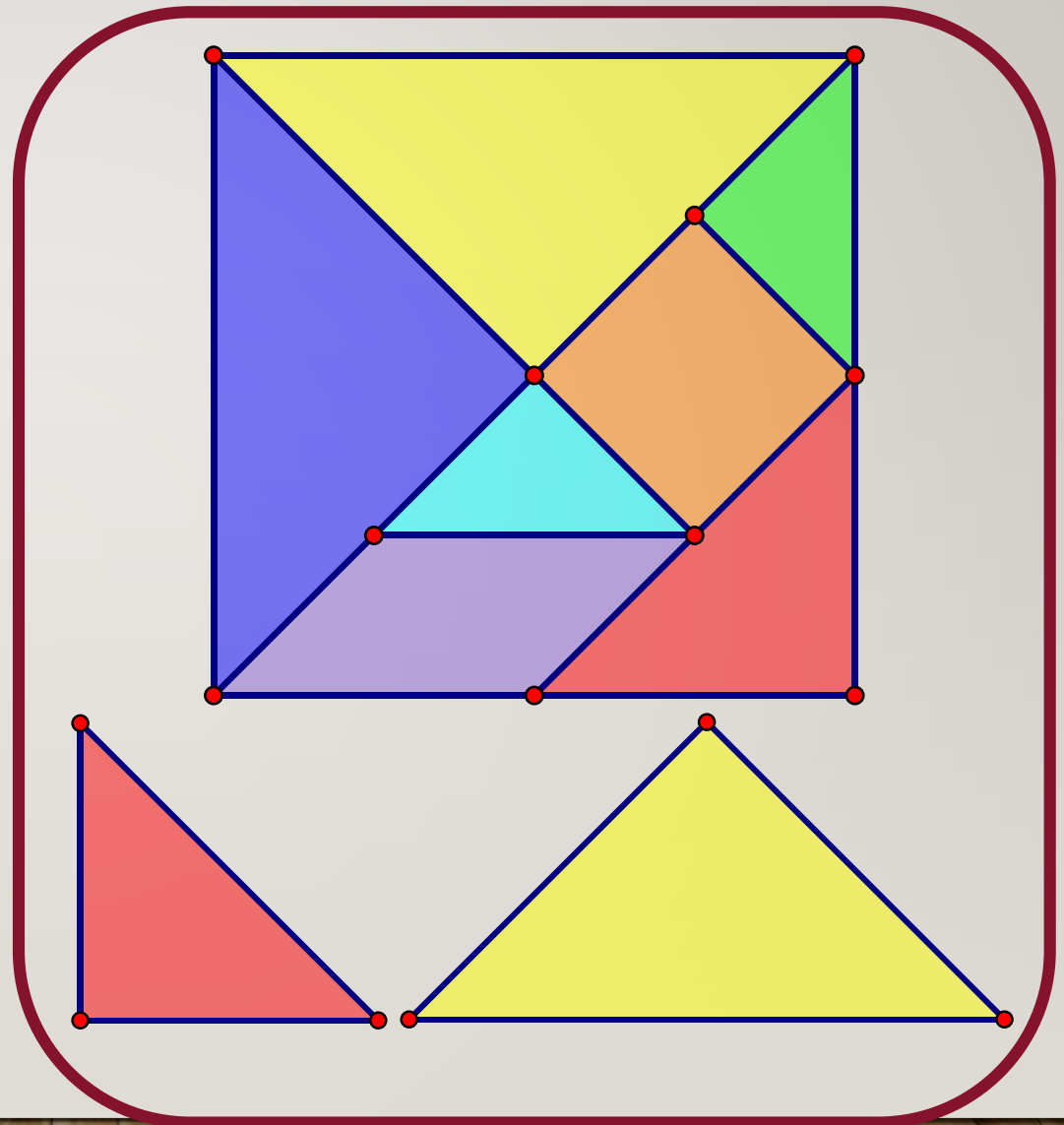
HOW MANY TANGRAMS DO YOU HAVE IN TOTAL?

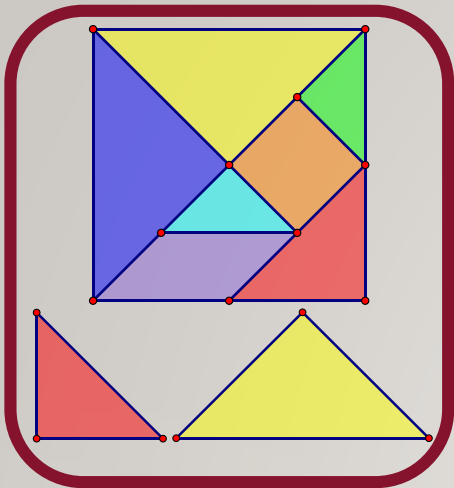


TOM HAS:



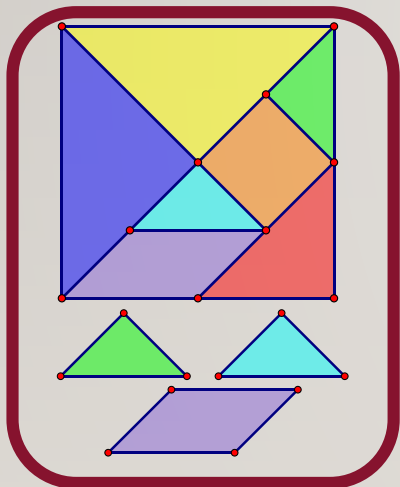
JERRY HAS:



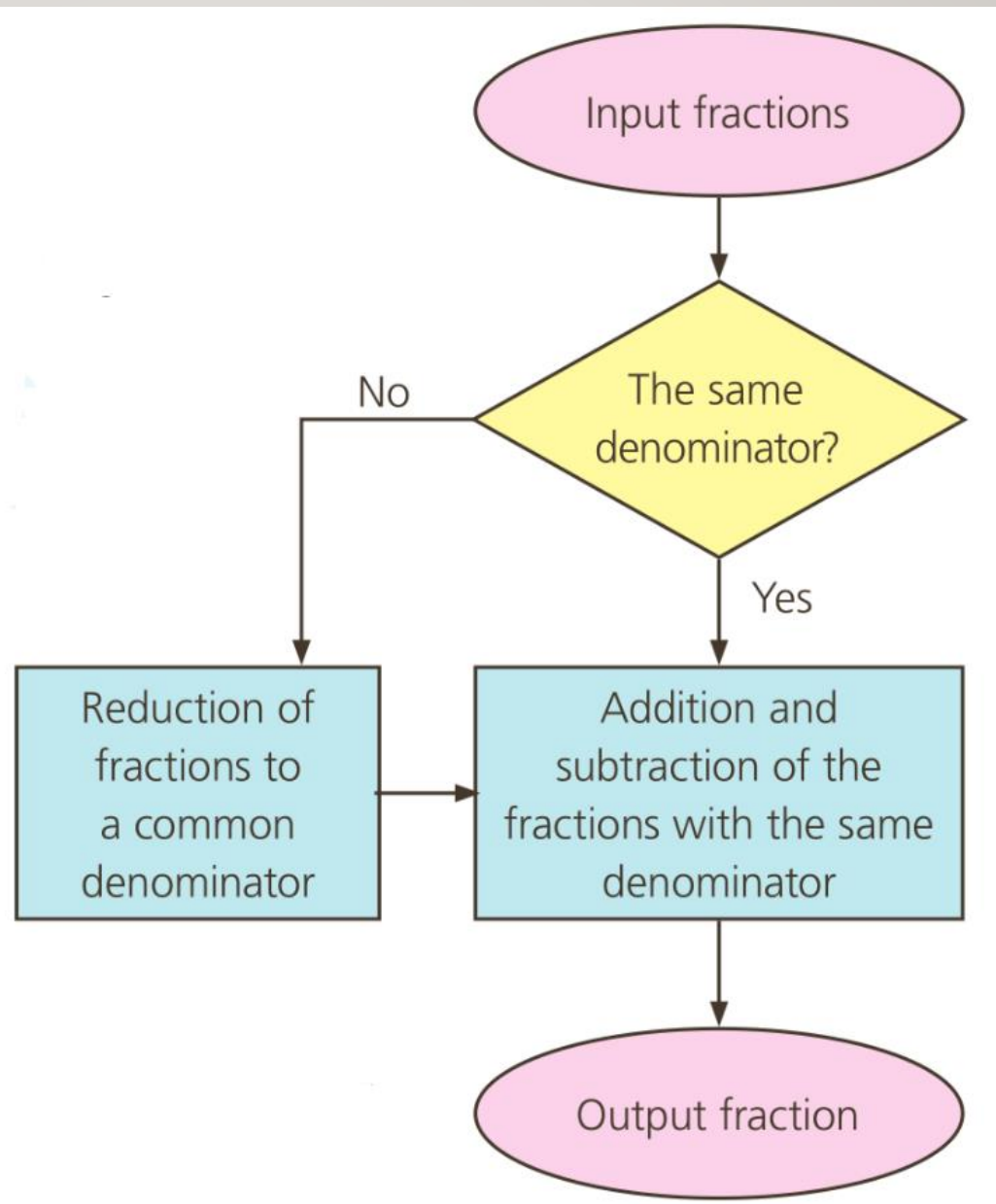


$$1\frac{3}{8} + 1\frac{1}{4}$$

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



THE METHOD FOR ADDITION AND SUBTRACTION OF FRACTIONS



CALCULATING AND
SHOW STEPS

$$\frac{7}{15} + \frac{2}{15}$$

$$\frac{11}{16} - \frac{7}{16}$$

What should we notice?

Same denominator or not?

Simplify the result or not?

CALCULATING AND
SHOW STEPS

$$\frac{7}{6} - \frac{2}{3}$$

$$1\frac{2}{3} + 2\frac{1}{4}$$

What should we notice?

Same denominator or not?

Simplify the result or not?

How to change a mix number?

CALCULATING AND
SHOW STEPS

$$1\frac{4}{15} - \frac{7}{27} - \frac{5}{27}$$

What should we notice?

Same denominator or not?

Simplify the result or not?

How to change a mix number?

The order of operations.

LESSON 5

ADDING AND SUBTRACTING FRACTIONS

2019.1.24

TRY YOUR BEST!

CALCULATING AND SHOW STEPS

$$(1) \quad 1\frac{2}{3} + \frac{3}{5}$$

$$(2) \quad 3\frac{1}{6} - 1\frac{3}{4}$$

$$(3) \quad 3\frac{5}{12} - \frac{11}{4}$$

- Anything new from yesterday?

TRY YOUR BEST!

(1) $3\frac{1}{6} + 2$

(2) $3 + 2\frac{1}{6}$

(3) $3\frac{1}{6} - 2$

(4) $3 - 2\frac{1}{6}$

- What can you find?

CAN YOU SEE ANY PATTERNS?

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

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

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

$$\frac{1}{5} - \frac{1}{6} =$$

$$\frac{1}{10} - \frac{1}{11} =$$

$$\frac{1}{(\quad)} - \frac{1}{(\quad)} = \frac{1}{25 \times 26}$$

$$\frac{1}{2} + \frac{1}{6} + \frac{1}{12} + \frac{1}{20} + \frac{1}{30} + \frac{1}{42}$$

CAN YOU SOLVE THIS?

$$\frac{1}{4} = \frac{1}{(\quad)} + \frac{1}{(\quad)}$$

Same denominator

Different denominators