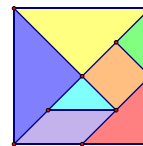


LESSON 5 ADDING AND SUBTRACTING FRACTIONS - 1**<Example 1>**

If we consider the whole tangram as 1, each piece can be represented as a fraction.

Fill in the blanks:



Shape	Each as a fraction of the whole square	How many pieces of the shape I have	How many totally as a fraction of the whole
The large triangle			
The medium triangle			
The small triangle			
The square			
The parallelograms			

Totally I have _____ of the whole tangram. (fill in a fraction)

<Summary>

The method for addition and subtraction of fractions with the same denominator:

The method for addition and subtraction of fractions with different denominators:

Can you draw a flowchart to show the method for addition and subtraction of fractions?

<Example 2>

Calculate:

$$(1) \frac{7}{15} + \frac{2}{15}$$

$$(2) \frac{11}{16} - \frac{7}{16}$$

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

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

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

What we should notice in adding and subtracting fractions?

LESSON 5 ADDING AND SUBTRACTING FRACTIONS - 2**<Example 3> Calculating and show steps:**

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

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

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

Can you find something new to what we have learned yesterday?

<Example 4> Calculating and show steps:

(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 in method or pattern?

<Example 5> Calculating and find any pattern from them:

$\frac{1}{2} - \frac{1}{3} =$ $\frac{1}{3} - \frac{1}{4} =$ $\frac{1}{4} - \frac{1}{5} =$ $\frac{1}{5} - \frac{1}{6} =$

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

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

(3) calculate in a clever way: $\frac{1}{2} + \frac{1}{6} + \frac{1}{12} + \frac{1}{20} + \frac{1}{30} + \frac{1}{42}$