

① Calculate. Simplify to the lowest terms.

(a)  $\frac{1}{2} - \left(\frac{1}{4} - \frac{1}{5}\right) =$

(b)  $\frac{2}{3} + \left(\frac{3}{4} - \frac{2}{5}\right) =$

② Write each fraction as a decimal and each decimal as a fraction in its simplest form.

(a)  $0.2 =$

(b)  $\frac{11}{25} =$

③ Multiply. Simplify to the lowest terms.

(a)  $\frac{3}{4} \times \frac{1}{2} =$

(b)  $\frac{2}{3} \times \frac{1}{2} =$

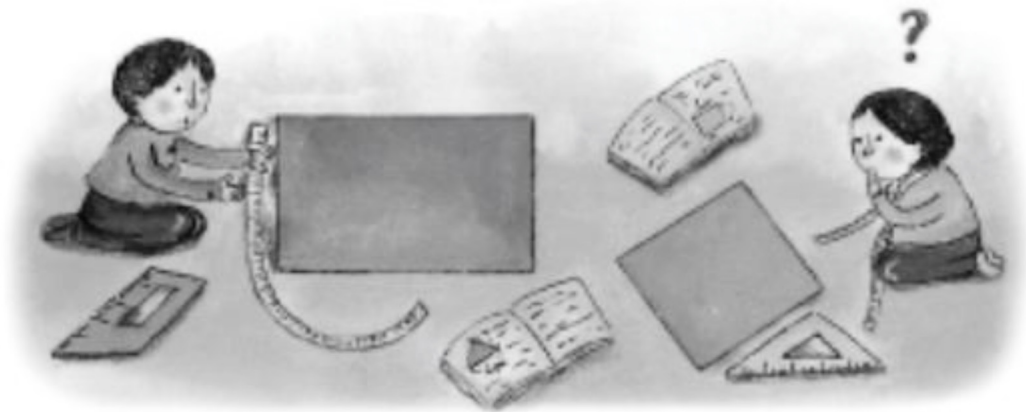
④ Answer the questions using the number cards.



Find the fraction and decimal that has the same value as  $1\frac{1}{4}$ .

$$1\frac{1}{4} = \square = \square$$

- ⑤ What is the area of a rectangle that is  $4\frac{1}{2}$  cm long and  $2\frac{5}{9}$  cm wide?



Solution \_\_\_\_\_

Answer \_\_\_\_\_  $\text{cm}^2$

- ⑥ Wilson read  $\frac{2}{3}$  of a novel in 3 days. He read  $\frac{1}{4}$  of the novel on the first day, and  $\frac{1}{6}$  of the novel on the second day. How much did he read on the third day? Check the correct solutions.





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

$\frac{2}{3} - \frac{1}{4} + \frac{1}{6}$

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

Since he read  $\frac{2}{3}$  of the book in 3 days, you should subtract what he read on the first and second day from  $\frac{2}{3}$ .



⑦ The  and  represent two different numbers. Find the values of  and .

$$\begin{array}{r}
 \text{green pentagon} \quad 1 \quad \text{green pentagon} \\
 \text{green pentagon} \overline{) 7 \quad 7} \\
 \underline{\text{green pentagon}} \phantom{7} \\
 \text{orange star} \phantom{7} \quad 7 \\
 \underline{\text{orange star} \quad \text{green pentagon}} \\
 \phantom{\text{orange star}} \quad \text{orange star}
 \end{array}$$

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⑧ Find the number pattern, and then write "Yes" or "No" to show if the set of numbers fits the pattern. Then use A, B, C and number operations to show the number relationship.

A	B	C	Decision
27	3	10	( Yes )
24	8	3	( No )
36	9	5	( Yes )
30	5	6	(     )
14	2	8	( Yes )

Rule : \_\_\_\_\_

⑨ Use A, B, and C to find the number pattern. Write the missing number.

A	B	C	Decision
3	8	21	( Yes )
7	3	18	( Yes )
4	9	33	( Yes )
10	2	20	( No )
8	5	(     )	( Yes )

