



Date: _____

Mark: _____



Calculate the following.

$$1. \frac{2}{5} + \frac{1}{4} = \boxed{}$$

$$2. 1\frac{2}{3} + 3\frac{4}{7} = \boxed{}$$

$$3. 4\frac{1}{3} + 5\frac{2}{9} = \boxed{}$$

$$4. 2\frac{1}{4} + 3 = \boxed{}$$

$$5. \frac{7}{9} + \frac{4}{5} + \frac{1}{6} = \boxed{}$$



Reminder

Expand the fractions to make their denominators the same before performing addition of fractions with different denominators.

E.g. $\frac{1}{2} + \frac{1}{3}$
 $= \frac{3}{6} + \frac{2}{6}$ ← Expand the fractions
 $= \frac{5}{6}$

$$6. 3\frac{1}{2} + 4\frac{5}{6} + \frac{4}{9} = \boxed{}$$



Write expressions to solve the following problems.

7. Elsa spent $1\frac{1}{2}$ hours on homework and $\frac{3}{5}$ hours on revision. What is the total number of hours she spent on homework and revision?



The total number of hours she spent on homework and revision is:

8. Grace had some savings. \$30 was left after she spent $25\frac{1}{2}$ on stationeries and $20\frac{9}{10}$ on snacks. What was Grace's original savings?



Grace's original savings was: _____

9. Mary had a piece of cloth. She used $2\frac{3}{4}$ m of it to make clothes, $1\frac{2}{5}$ m to make a pair of trousers and $2\frac{7}{8}$ m to make a dress. How many metres of cloth did Mary use?



Amount of cloth used by Mary is: _____

10. Heating siumai by microwave takes $1\frac{1}{6}$ minutes. Heating fishball by microwave takes $3\frac{1}{12}$ minutes. Which of the following expressions is the most suitable to estimate the total time taken for heating these two dishes by microwave?

- A. $1 + 3$ ○ B. $1 + 4$ ○ C. $2 + 3$ ○ D. $2 + 4$

11. The restaurant has $2\frac{4}{5}$ L of white vinegar, which is $1\frac{1}{4}$ L less than the rice vinegar they has. How much vinegar does the restaurant have altogether? (Show your working)

12. If $\frac{\diamond}{9} + \frac{\clubsuit}{6} = 1$, which of the following expressions is equal to 18?

- A. $2 \times \diamond + 3 \times \clubsuit$ ○ B. $3 \times \diamond + 2 \times \clubsuit$
 ○ C. $3 \times \diamond + \clubsuit$ ○ D. $\diamond + 2 \times \clubsuit$

Scoring Key

Expand the fractions to make their denominators the same first.

13. Mrs Chan and Mrs Lee each made a cake.



I used $\frac{1}{5}$ kg of flour and $\frac{1}{8}$ kg of sugar.

Mrs Chan



I used $\frac{1}{4}$ kg of flour and $\frac{1}{10}$ kg of sugar.

Mrs Lee

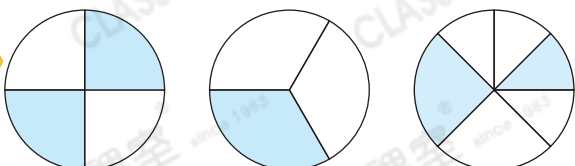
Were the total weights of flour and sugar they used the same? Why?

Answer: Because _____

the total weights of flour and sugar they used were ★ the same / different .

(★ Circle the answer)

14.
Advanced



If each represents 1, the coloured parts

on the left represent altogether.