

# Word Problems Training II

Date: \_\_\_\_\_  
 Mark: \_\_\_\_\_

- Addition and subtraction of fractions with different denominators
- Multiplication of fractions    ○ Area    ○ Simple equations

1. Max works  $8\frac{5}{12}$  hours a day and 6 days a week. How long does he work in a week?



## Illustration

$8\frac{5}{12}$  hours



? hours

2. 6 times of a number is 24. What is this number? (Use an equation to solve the problem)



## Illustration

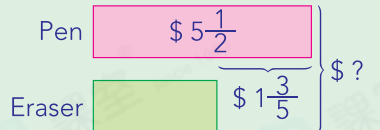
$x$   $x$   $x$   $x$   $x$   $x$

24

3. A pen costs  $\$5\frac{1}{2}$ , which is  $\$1\frac{3}{5}$  more expensive than an eraser. Kent buys a pen and an eraser. How much does he need to pay in total?



## Illustration

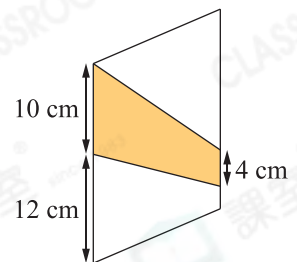


4. The figure on the right is a parallelogram.

(a) What is the height of the coloured part if its area is  $98 \text{ cm}^2$ ?

Answer: \_\_\_\_\_ cm

(b) What is the total area of the white parts?



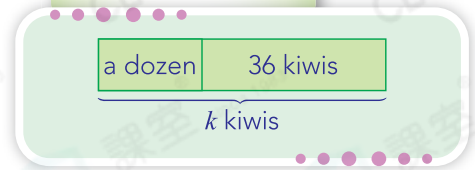
## Hints

1. The heights of parallelogram and coloured part are equal.
2. Total area of the white parts = area of parallelogram - area of the coloured part

5. There are 36 kiwis left after a dozen of kiwis are sold. How many kiwis were there originally? (Use an equation to solve the problem)

Blank area for solving problem 5.

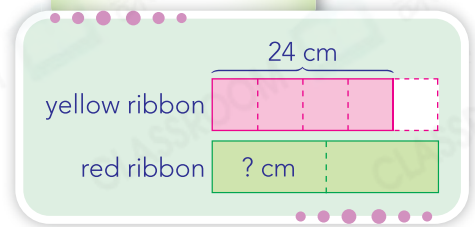
**Illustration**



6. The length of yellow ribbon was 24 cm. The length of red ribbon was  $1\frac{1}{4}$  times of the yellow ribbon. Selina took half of the red ribbon to make a bow. How long was the red ribbon used?

Blank area for solving problem 6.

**Illustration**

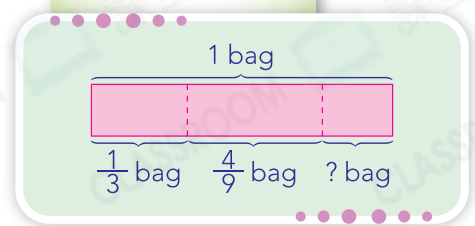


7. A bag of flour weighs  $10\frac{4}{5}$  kg.  $\frac{1}{3}$  and  $\frac{4}{9}$  of it were used for making cakes and cookies respectively.

- (a)  kg of flour was used for making cakes.  
 (b) How many bags of flour were left?

Blank area for solving problem 7.

**Illustration**



8. There are 35 students in Class 5A.  $\frac{2}{5}$  of them are girls.  $\frac{3}{7}$  of the girls have long hair. What fraction of the students in the class are long-haired girls?

Blank area for solving problem 8.

**Hints**

The number of long-haired girls is not required.