

① Solve for  $x$ .

(a)  $(x \times 4) + 5 = 37$

(a) \_\_\_\_\_

(b)  $(x \times 7) + 8 = 64$

(b) \_\_\_\_\_

(c)  $(x \times 4) \times 13 = 104$

(c) \_\_\_\_\_

(d)  $(x \times 3) \div 7 = 18$

(d) \_\_\_\_\_

② Susan gave Helen 4 stamps and received 9 stamps from Alice. She now has 15 stamps. How many stamps did she have in the beginning?

Solution : Let  $x$  represent the number of stamps Susan had in the beginning.

Equation \_\_\_\_\_

Answer \_\_\_\_\_ stamps

③ Lana is 4 years younger than three times her sister's age. If Lana is 14 years old, how old is her sister?

Solution : Let  $x$  represent the age of Lana's sister.

Equation \_\_\_\_\_

Answer \_\_\_\_\_ years old



- ④ Forty-seven students were lined up in six equal rows, plus one row having 5 students. How many students were in each of the six equal rows?

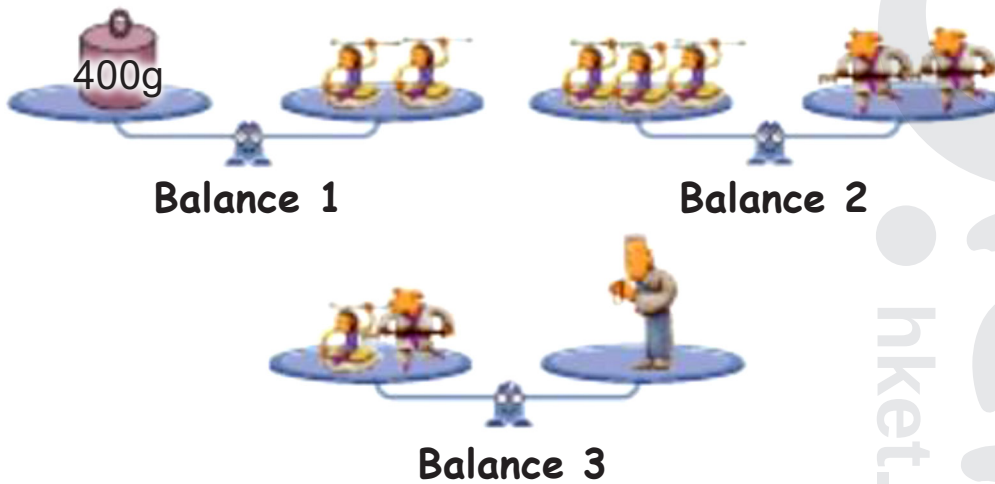
Solution : Let  $n$  represent the number of students in each row.

Equation \_\_\_\_\_

Answer \_\_\_\_\_ students

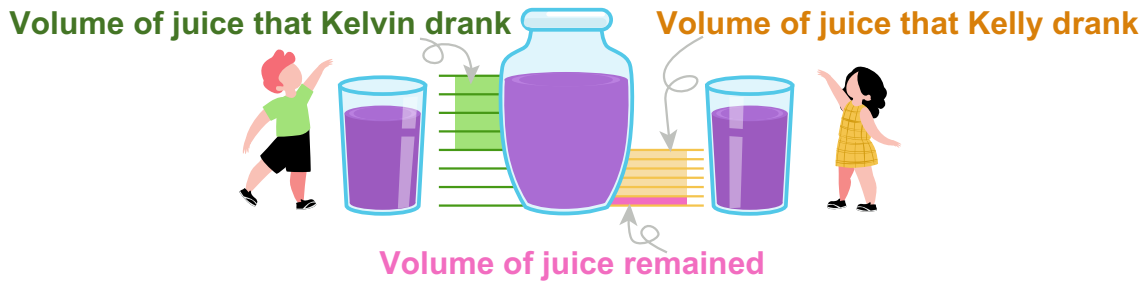


- ⑤ The following balances are level. Answer the questions.



- (a) What is the weight of  ? \_\_\_\_\_ g
- (b) What is the weight of  ? \_\_\_\_\_ g

⑥ Kelvin drank  $\frac{4}{7}$  of the total volume of juice and Kelly drank  $\frac{5}{6}$  of the rest of it. The volume of remaining juice was 35mL.



- (a) Find out the initial volume of the juice. \_\_\_\_\_ mL
- (b) How much juice did Kelly drink? \_\_\_\_\_ mL
- (c) How much juice did Kelvin drink? \_\_\_\_\_ mL

⑦ Mickey's father has \$100 bills and \$10 bills. The difference in the number of each kind of bill is 37 and the total amount he has is \$700. Answer the questions.

(a) Write the number of \$10 bills so that the total amount is \$700 and find the difference in the number of two kinds of bills for each case.

Total amount (\$)	700	700	700	700	700	700
Number of \$100 bills	6	5	4	3	2	1
Number of \$10 bills	10	20				
Difference in the number of bills	4	15				

(b) How many \$100 bills and \$10 bills does Mickey's father have?

Using the table, find the number of \$10 bills when the total amount is \$700.

Then find the case where the difference in the number of bills is 37.



\_\_\_\_\_ \$100 bills  
 \_\_\_\_\_ \$10 bills

