



## Solving equations

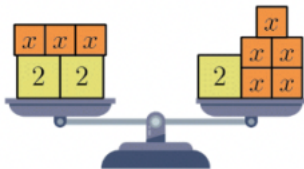
### *solving one step equations*



An equation can be defined as a statement that supports the equality of two expressions, which are connected by the equals sign “=”. For example,  $3x + 8 = 17$

Solving equations involves finding the value of the unknown variables in the given equation

- 1 Find the value of  $x$

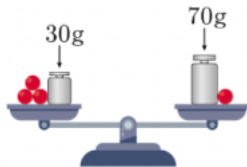


- 2 Solve  $3x - 8 = 1$

- 3 Solve  $5x - 3 = 8x + 9$

- 4 solve  $\frac{1}{2}x + 3x = 7$

5 A ball and a weight were placed on a scale, and it balanced. If all the balls have the same weight, Find the weight of one ball in grams.

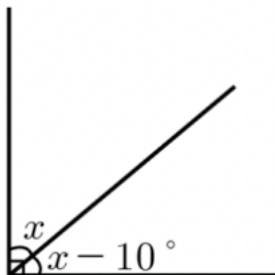


6 solve  $8y = 40$

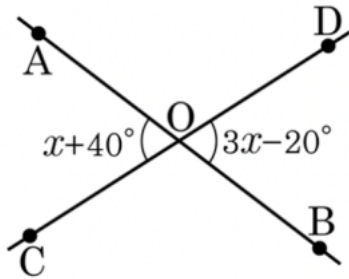
7 solve  $\frac{x}{3} = 21$

8 Solve  $2x - (10 - 3x) = 2(x - 5) + 12$

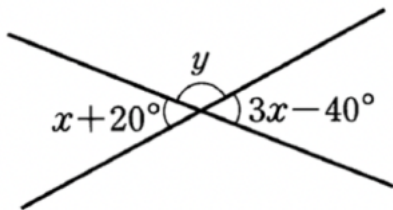
9 Find the value of  $x$



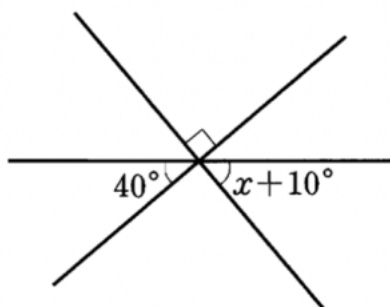
10 Find the value of  $\angle AOC$



11 Find the value of  $y$



12 Find the value of  $x$



Name: \_\_\_\_\_



## Answer sheet

1 1

2 3

3 1

4 2

5 20g

6 5

7 7

8 4

9 50

10 70

11 130

12 40