



Name:..... Class:..... No. ....

**A. Solving Equations using Equality Property of Addition and Multiplication**

Example: Solve  $\frac{x}{8} - 3 = 5$

Solution:

Step 1: Add 3 to both sides.

$$\frac{x}{8} - 3 + 3 = 5 + 3$$

$$\frac{x}{8} = 8$$

Step 2: Multiply both sides by 8:

$$\frac{x}{8} \times 8 = 8 \times 8$$

$$x = 64 \leftarrow \text{answer}$$



**B. Solving Equations using Equality Property of Subtraction and Multiplication**

Example: Solve  $\frac{x}{2} + 1 = 5$

Solution:

Step 1: Subtract both sides by 1.

$$\frac{x}{2} + 1 - 1 = 5 - 1$$

$$\frac{x}{2} = 4$$

Step 2: Multiply both sides by 2:

$$\frac{x}{2} \times 2 = 4 \times 2$$

$$x = 8 \leftarrow \text{answer}$$

### C. Solving Equations using Equality Property of Addition and Division

Example: Solve  $4x - 3 = 5$

Solution:

Step 1: Add 3 to both sides.

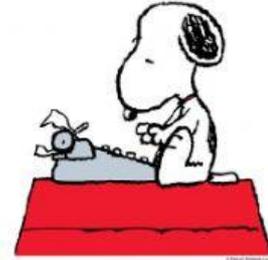
$$4x - 3 + 3 = 5 + 3$$

$$4x = 8$$

Step 2: Divide both sides by 4:

$$\frac{4x}{4} = \frac{8}{4}$$

$$x = 2 \leftarrow \text{answer}$$



### D. Solving Equations using Equality Property of Subtraction and Division

Example: Solve  $2x + 1 = 5$

Solution:

Step 1: Subtract both sides by 1.

$$2x + 1 - 1 = 5 - 1$$

$$2x = 4$$

Step 2: Divide both sides by 2:

$$\frac{2x}{2} = \frac{4}{2}$$

$$x = 2 \leftarrow \text{answer}$$

Solve using Equality Property of Addition, Subtraction, Multiplication and Division.

1.  $\frac{x}{4} - 3 = 9$

a. 48

b. 58

c. 3

d. 38

2.  $\frac{x}{3} + 7 = 13$

a. 27

b. -18

c. 18

d. -27

3.  $5x - 8 = 12$

a. 3

b. 4

c. -3

d. 5

4.  $3x + 9 = 18$

a. -10

b. 11

c. 5

d. 3

5.  $\frac{x}{6} + 1 = 4$

a. 18

b. 23

c. 30

d. 25

6.  $\frac{x}{2} - 3 = 7$

a. 17

b. -20

c. 8

d. 20

7.  $\frac{x}{5} + 1 = -2$

a. -5

b. -15

c. 15

d. -11

8.  $\frac{x}{4} - 3 = -5$

a. 8

b. 17

c. -8

d. -17

9.  $\frac{x}{6} + 1 = 10$

a. 54

b. 66

c. 59

d. -54

10.  $\frac{x}{-3} - 4 = 6$

a. -22

b. -14

c. 30

d. -30



*"Success seems to be connected with action. Successful people keep moving. They make mistakes, but they don't quit."*

-- Conrad Hilton



(“ความสำเร็จดูเหมือนจะเชื่อมโยงกับการกระทำ คนที่ประสบความสำเร็จยังคงเดินหน้าต่อไปทำผิดแต่ไม่เลิก”)