



# SUBSTITUTION (Version - B)



Find the value of each expression, if  $a=10$  and  $b=5$

## Example

$$1) 3ab = 3 \times a \times b \\ 3 \times 10 \times 5$$

$$2) \frac{a}{b} = a \div b \\ = 10 \div 5 \\ = 2$$

$$3) a^2 = a \times a \\ = 10 \times 10 \\ = 100$$

Find the value of each expression, if  $a=2$

$$1) 2 + a \times 3$$

$$= 2 + 2 \times 3 = 8$$

$$2) 14 - a + 2$$

$$= 14 - 2 + 2 = 14$$

$$3) 6 + \frac{36}{a}$$

$$= 24$$

Find the value of each expression, if  $a=4$  and  $b=20$

$$1) a \times b - 8$$

$$= 72$$

$$2) 4ab - 20$$

$$= 300$$

$$3) 2a + 4b$$

$$= 88$$

Find the value of each expression, if  $x=2$ ,  $y=24$  and  $z=8$

$$1) \frac{y}{x} + z$$

$$= 20$$

$$2) z + y \div 12$$

$$= 10$$

$$3) \frac{y}{x} \div \frac{z}{4}$$

$$= 8$$

Find the value of each expression, if  $m=16$ ,  $n=4$  and  $o=8$

$$1) mno - mn$$

$$= 448$$

$$2) \frac{4n}{m} \times o \times n$$

$$= 33$$

$$3) o^2 + 12 - o^2$$

$$= 12$$