

# SUBSTITUTION - VERSION A

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

$$\begin{aligned} 1) \quad & 3 \times a + 5 \\ & = 3 \times 5 + 5 \\ & = 15 + 5 \\ & = 20 \end{aligned}$$

$$\begin{aligned} 2) \quad & 5a + 15 \\ & = 5 \times 5 + 15 \\ & = 25 + 15 \\ & = 40 \end{aligned}$$

$$\begin{aligned} 3) \quad & a + 6a \\ & = 5 + 6 \times 5 \\ & = 5 + 30 \\ & = 35 \end{aligned}$$

$$\begin{aligned} 4) \quad & a + 4 \times a \\ & = 5 + 4 \times 5 \\ & = 5 + 20 \\ & = 25 \end{aligned}$$

$$\begin{aligned} 5) \quad & 20 - \frac{65}{a} \\ & = 20 - \frac{65}{5} \\ & = 20 - 13 \\ & = 7 \end{aligned}$$

$$\begin{aligned} 6) \quad & 20 - \frac{a}{5} \\ & = 20 - \frac{5}{5} \\ & = 20 - 1 \\ & = 19 \end{aligned}$$

Find the value of each expression, if  $b = 6$  and  $c = 3$

$$\begin{aligned} 7) \quad & b \div c - 1 \\ & = 6 \div 3 - 1 \\ & = 2 - 1 \\ & = 1 \end{aligned}$$

$$\begin{aligned} 8) \quad & 3b + 7 \\ & = 3 \times 6 + 7 \\ & = 18 + 7 \\ & = 25 \end{aligned}$$

$$\begin{aligned} 9) \quad & c * 6 + b \\ & = 3 * 6 + 6 \\ & = 18 + 6 \\ & = 24 \end{aligned}$$

Find the value of each expression, if  $x = 4$ ,  $y = 24$  and  $z = 8$

$$\begin{aligned} 10) \quad & z - x + y \\ & = 8 - 4 + 24 \\ & = 4 + 24 \\ & = 28 \end{aligned}$$

$$\begin{aligned} 11) \quad & y + y \div y \\ & = 24 + 24 \div 24 \\ & = 24 + 1 \\ & = 25 \end{aligned}$$

$$\begin{aligned} 12) \quad & 6xz \div y \\ & = 6 \times 4 \times 8 \div 24 \\ & = 8 \end{aligned}$$

Find the value of each expression, if  $l = 24$ ,  $m = 4$  and  $n = 2$

$$\begin{aligned} 13) \quad & n^3 + 20 - l \\ & = 2^3 + 20 - 24 \\ & = 8 + 20 - 24 \\ & = 28 - 24 \\ & = 4 \end{aligned}$$

$$\begin{aligned} 14) \quad & 2mn + l \\ & = 2 \times 4 \times 2 + 24 \\ & = 16 + 24 \\ & = 40 \end{aligned}$$

$$\begin{aligned} 15) \quad & m^2 + 8 \div n \\ & = 4^2 + 8 \div 2 \\ & = 16 + 8 \div 2 \\ & = 16 + 4 \\ & = 20 \end{aligned}$$