

Pg: 54

$$2) \underline{9(2r + 7s)}$$

$$18r + 63s$$

$$4) \underline{\frac{3}{4}(8x + 12y)}$$

$$6x + 9y$$

$$3) \underline{(5c + 2d)(-4)}$$

$$-20c - 8d$$

$$5) \underline{\frac{2}{3}(15x + 21y)}$$

$$10x + 14y$$

$$7) \underline{(11 - 9z)13}$$

$$143 - 117z$$

$$8) \underline{(39 - 13c)\frac{1}{13}}$$

$$3 - 1c$$

$$6) \underline{(17 + 13m)} \underline{(-3)}$$
$$-51 - 39m$$

$$9) \underline{x} \underline{(5y + 2z)}$$
$$5yx + 2xz$$

$$10) \underline{m} \underline{(2n + 15)}$$
$$2nm + 15m$$

$$12) \quad \underline{5a} + \underline{5b}$$

$$5(a + b)$$

$$\begin{array}{c} 12 \\ \wedge \quad \wedge \\ 4 \cdot 3 \\ \wedge \quad \wedge \\ 2 \cdot 2 \cdot 3 \end{array}$$

$$13) \quad 12c - 8d$$

$$\underline{2} \cdot \underline{2} \cdot 3c - \underline{2} \cdot \underline{2} \cdot 2d$$

$$2 \cdot 2 (3c - 2d)$$

$$4(3c - 2d)$$

$$16) \quad \underline{17r} + \underline{12r}$$

$$R(17 + 12)$$

$$29R$$

$$17) \quad 18a + 24a$$

$$14) 30m - 15n$$
$$15(2m - 1n)$$

$$15) \underline{15x} + \underline{7x}$$
$$x(15 + 7)$$
$$22x$$

$$17) \quad \underline{10a} + \underline{24a}$$

$$6a(3 + 4)$$

$$6a(7)$$

$$42a$$

$$\begin{array}{c} 18 \\ 2 \cdot 9 \\ 2 \cdot 3 \cdot 3 \\ \uparrow \quad \uparrow \end{array}$$

$$\begin{array}{c} 24 \\ 2 \cdot 12 \\ 2 \cdot 2 \cdot 6 \\ 2 \cdot 2 \cdot 2 \cdot 3 \\ \uparrow \quad \quad \uparrow \end{array}$$

