

1-3 分配律練習

一. 分配律

$$\begin{aligned} 1. \quad 40 \times 43 &= 40 \times (\quad + \quad) \\ &= 40 \times \quad + 40 \times \quad \\ &= \end{aligned}$$

$$\begin{aligned} 2. \quad 34 \times 5\frac{11}{17} &= 34 \times (\quad + \quad) \\ &= 34 \times \quad + 34 \times \quad \\ &= \end{aligned}$$

$$\begin{aligned} 3. \quad 34 \times \left(\frac{11}{17} + \frac{5}{13} \right) \\ &= \end{aligned}$$

$$4. \quad 5 \times (X+3) =$$

※ 此過程稱為多項式的展開

$$5. \quad -4 \times (X+2) =$$

二. 反分配律

$$\begin{aligned} 1. \quad 79 \times 63 + 79 \times 37 \\ &= 79 \times (\quad + \quad) \\ &= \end{aligned}$$

$$\begin{aligned} 2. \quad 98 \times 137 - 98 \times 37 \\ &= 98 \times (\quad - \quad) \\ &= \end{aligned}$$

$$\begin{aligned} 3. \quad -94 \times 37 + 94 \times 137 \\ &= 94 \times (\quad) \\ &= \end{aligned}$$

$$\begin{aligned} 4. \quad -94 \times 37 + 94 \times 137 \\ &= -94 \times (\quad) \\ &= \end{aligned}$$

$$\begin{aligned} 5. \quad 86 \times 43 + 86 \times 75 - 86 \times 18 \\ &= 86 \times (\quad) \\ &= \end{aligned}$$

$$\begin{aligned} 6. \quad 57 \times 79 + 43 \times 21 + 57 \times 21 + 43 \times 79 \\ &= \\ &= \\ &= \end{aligned}$$

$$\begin{aligned} 7. \quad 97 \times 53 + 43 \times 47 + 54 \times 47 \\ &= \\ &= \\ &= \end{aligned}$$

$$\begin{aligned} 8. \quad 57 \times 76 - 43 \times 86 - 57 \times 26 + 43 \times 36 \\ &= \\ &= \\ &= \end{aligned}$$

$$\begin{aligned} 9. \quad 4 \times X \times Y + 6 \times X \\ &= \quad \times (\quad + \quad) \end{aligned}$$

※ 此過程稱為因式分解【二上課程】

$$\begin{aligned} 10. \quad 5 \times X \times X - X \\ &= \quad \times (\quad - \quad) \end{aligned}$$

$$\begin{aligned} 11. \quad 12963 \times 381 + 2963 \times 619 \\ &= \\ &= \end{aligned}$$

$$\begin{aligned} 12. \quad \text{已知 } 967 \times 453 = 438051 \\ \text{則 } 967 \times 1453 = \end{aligned}$$

$$\begin{aligned} 13. \quad \text{已知 } a \times 1963 = 4789 \\ \text{則 } 1963 \times (a+10) = \end{aligned}$$

$$\begin{aligned} 14. \quad \text{已知 } a \times 19 = 714 \\ \text{則 } (a-6) \times 95 = \end{aligned}$$

$$\begin{aligned} 15. \quad \text{已知 } m = 1959 \times 889, n = 1958 \times 890 \\ \text{則 } m、n \text{ 哪一數較大?} \end{aligned}$$

※

$$c \times (a+b) = c \times a + c \times b$$

$$(a+b) \times c = a \times c + b \times c$$

$$c \div (a+b) = c \div a + c \div b \quad \text{※不成立}$$

$$(a+b) \div c = a \div c + b \div c$$