



تمرين عدد 4

$$A = 4 \times 13 - 12 + 5 \\ = (52 - 12) + 5 = 40 + 5 = 45$$

$$B = 23 - (6 \times 5 - 17) + 125 \\ = 23 - (30 - 17) + 125 \\ = (23 - 13) + 125 = 10 + 125 = 135$$

$$C = 45 - 13 \times 3 + 9 \times (175 - 75) \\ = 45 - 39 + 9 \times 100 = (45 - 39) + 900 \\ = 6 + 900 = 906$$

$$D = 125 - 13 \times 2 - 7 \times 2 + 15 \\ = 125 - 26 - 14 + 15 = (125 + 15) - (26 + 14) \\ = 140 - 40 = 100$$

$$E = 17 \times 4 \times 3 \times 2 \times 0 \times (15 - 3) = 0$$

تمرين عدد 5

$$A = (7502 - 57 + 31) - (2502 - 57 + 31)$$

$$A = 7502 - 2502$$

$$A = 5000$$

$$B = (2022 - 87) + 78$$

$$B = 2022 - (87 - 78)$$

$$B = 2022 - 0$$

$$B = 2022$$





$$\begin{aligned} 6438 - (1700 + 1438) &= 6438 - 1700 - 1438 \\ &= (6438 - 1438) - 1700 \\ &= 5000 - 1700 \\ &= 3300 \end{aligned}$$

(3)

$$\begin{aligned} (4900 - 1590) - 1900 &= 4900 - 1590 - 1900 \\ &= (4900 - 1900) - 1590 \\ &= 3000 - 1590 = 1410 \end{aligned}$$

(4)

$$\begin{aligned} 4943 - (1900 - 1057) \\ &= 4943 - 1900 + 1057 \\ &= 4943 + 1057 - 1900 \\ &= 4100 \end{aligned}$$

(5)

تمرين عدد (تفكير)

$$\begin{aligned} A &= 17 \times 128 - 17 \times 28 \\ &= 17 \times (128 - 28) \\ &= 17 \times 100 = 1700 \end{aligned}$$

$$\begin{aligned} B &= 23 \times 135 + 23 \times 865 \\ &= 23 \times (135 + 865) \\ &= 23 \times 1000 = 2300 \end{aligned}$$

$$\begin{aligned} C &= 740 \times 13 - 740 \times 9 = 740 \times (13 - 9) \\ &= 740 \times 4 = 2960 \end{aligned}$$

$$\begin{aligned} D &= 45 \times 13 + 45 \times 97 - 45 \times 10 = 45 \times (13 + 97 - 10) \\ &= 45 \times 100 = 4500 \end{aligned}$$





تمرين عدد ١

$$A = (4394 - 1750) - (2394 - 1750) \\ = 4394 - 2394 = 2000$$

$$B = (5890 + 1780) - (890 + 1780) \\ = 5890 - 890 = 5000$$

$$C = (6940 - 1800) - (1940 + 1800) \\ = 6940 - 1800 - 1940 - 1800 \\ = (6940 - 1940) - (1800 + 1800) \\ = 5000 - 3600 = 1400$$

$$D = (7540 - 1750) + (1460 + 1750) \\ = 7540 + 1460 = 9000$$

$$E = (890 + 1540) + (1460 - 890) \\ = 1540 + 1460 = 3000$$

تمرين عدد ٢

$$4948 - (1948 + 1580) = 4948 - 1948 - 1580 \\ = (4948 - 1948) - 1580 \\ = 1420$$

$$7940 + (1500 - 940) = 7940 + 1500 - 940 \\ = (7940 - 940) + 1500 \\ = 7000 + 1500 = 8500$$



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(2)

$$C = 864 - a - b$$

$$C = 864 - (a + b)$$

$$C = 864 - 42$$

$$C = 822$$

$$D = (9a - 50) + (9b + 50)$$

$$D = 9a + 9b$$

$$D = 9 \times a + 9 \times b$$

$$D = 9 \times (a + b)$$

$$D = 9 \times 42 = 378$$





$$302 - (64 + x) = 124$$

(3)

يعنى

$$64 + x = 302 - 124$$

يعنى

$$64 + x = 178$$

يعنى

$$x = 178 - 64$$

يعنى

$$x = 114$$

(4)

$$E = 24a + 16 - 56b$$

$$E = 8 \times 3a + 8 \times 2 - 8 \times 7b$$

$$E = 8 \times (3a + 2 - 7b)$$





١٥

$$F = 1 + 5(2 + a) - 5b$$

$$F = 1 + 5 \times 2 + 5 \times a - 5b$$

$$F = 1 + 10 + 5a - 5b$$

$$F = 11 + 5a - 5b$$

ب

$$F = 11 + 5 \times (a - b)$$

$$F = 11 + 5 \times 17$$

$$F = 11 + 85$$

$$F = 96$$





$$a = xy = x \times 10 + y \quad (1)$$
$$b = yx = y \times 10 + x \quad (36 = 3 \times 10 + 6)$$

$$a + b = x \times 10 + y + y \times 10 + x$$

$$a + b = 10x + x + 10y + y$$

$$a + b = 11x + 11y$$

$$a + b = 11(x + y)$$

$$x + y = 6 \text{ يعني } 11(x + y) = 66 \text{ يعني } a + b = 66 \quad (2)$$

وبما أن y مضاعف لـ x فإن $x = 2$ و $y = 4$

$$اذن $a = 24$ و $b = 42$$$

$$ab = 24 \times 42 = 1008$$



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