

CSS - 2024

Find the missing terms

a) - 121, 11, 81, 9, 49, 7

Arrows indicate the logic: 11^2 (from 121 to 11), 9^2 (from 81 to 9), and 7^2 (from 49 to 7).

explain the logic in the form of statements as well.

b) - 100, 50, 25, 12.5, 6.25

Arrows indicate the logic: $\frac{100}{2}$, $50 \div 2$, $25 \div 2$, and $12.5 \div 2$.

c) - 4, 9, 64, 125, 1296, 2401

Down arrows indicate the logic: 2^2 , 3^2 , 4^3 , 5^3 , 6^4 , and 7^4 .

d) - 2, 5, 12, 24, 48, 96

Arrows indicate the logic: $2 \times 2 = 4 + 1$, $4 \times 2 = 8 + 4$, $8 \times 2 = 16 + 8$, $16 \times 2 = 32 + 16$, and $32 \times 2 = 64 + 32$.

e) - 44, 22, 66, 33, 132, 56

Arrows indicate the logic: $\div 2$, $\div 3$, $\div 2$, and $\div 2$.

PMT, OOS, NQR, MSQ, L R P

Find Missing terms

$$2, 4, 12, 48, \boxed{240} ?$$

$2 \times 2 = 4$ $4 \times 3 = 12$ $12 \times 4 = 48$ $48 \times 5 =$

$$5, 10, 13, 26, 29, 58, 61, \boxed{122} ?$$

5×2 13×2 29×2 61×2

$$15, 19, 28, 44, 29, 105$$

4 9 16 36

$$B \quad E \quad K \quad W \quad \underline{U}$$

2 5 11 23

$$\{(476 + 424)^2 - 4 \times 476 \times 424\} = ?$$

$$\{(900^2) - 4 \times 201,824\}$$

(810,000 - 819,296)

$\boxed{-9296}$