

Rabbiah yousaf - 072 - 39800

①  $2, 3, 6, 4, 5, 20, \dots, 3, 18$

$(2 \times 3) \nearrow$   $(4 \times 5) \nearrow$   $(6 \times 3) \nearrow$

Answer : 6

②  $1, 3, 9, 15, 25, 37, 49$

$(3-1) \nearrow$   $(6) \nearrow$   $(6) \nearrow$   $(10) \nearrow$

$2, 6, 6, 10, (12), \dots, \frac{37}{12}, 49$

Answer : 37

Explain the steps in words

This would only get you one out of five marks

③  $2, 7, 10, 22, 18, 37, 26, \dots$

$8$  difference

$\underbrace{8}_{15} \quad \underbrace{8}_{15} \quad \underbrace{8}_{15}$

Answer : 52

④  $34, 7, 37, 14, 40, 28, 43, \dots$

$+3$   $+3$   $+3$

$\underbrace{+3}_{22} \quad \underbrace{+3}_{22} \quad \underbrace{+3}_{22}$

Answer : 56

⑤  $5, 7, 11, \dots, 17, 19$

$\underbrace{5}_{2} \quad \underbrace{7}_{4} \quad \underbrace{?}_{?} \quad \underbrace{17}_{2}$

prime numbers,  $5, 7, 11, \frac{13}{?}, 17, 19$

Answer : 13

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