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Mathematics Exercise - 9 (B)

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1. (i) 1, 2

ii) 3, 0

iii) exact divisor, the number

iv) itself

v) itself

vi) one

vii) finite infinite

viii) multiple

2. (i) $16 = 1, 2, 4, 8, 16$

ii) $21 = 1, 3, 7$ and 21

iii) $39 = 1, 3, 13$ and 39

iv) $48 = 1, 2, 3, 4, 6, 8, 12, 16, 24$

and 48

v) $64 = 1, 2, 4, 8, 16, 32$ and 64

vi) $98 = 1, 2, 7, 14, 49$ and 98

3. ii) $4 = 4, 8, 12, 16, 20$ and 24

iii) $9 = 9, 18, 27, 36, 45$ and 54

iv) $11 = 11, 22, 33, 44, 55$ and 66

v) $15 = 15, 30, 45, 60, 75$ and 90

vi) $18 = 18, 36, 54, 72, 90$ and 108

vii) $16 = 16, 32, 48, 64, 80$ and 96

4) Since, $36 = 1 \times 36, 2 \times 18, 3 \times 12, \underline{4 \times 9}, 6 \times 6$

Clearly numbers are 4 and 9 as

$$4 \times 9 = 36 \text{ and } 4 + 9 = 13$$

5) Since, $48 = 1 \times 48, 2 \times 24, \del{3 \times 16}, 4 \times 12$

Clearly numbers are 4 and 12

$$\text{as } 4 \times 12 = 48 \text{ and } 4 + 12 = 16$$