

Q1. F.I.T.B

- i) $Q=1$ and $R=2$
- ii) $Q=3$ and $R=0$
- iii) Exact divisors
- iv) Itself
- v) Itself
- vi) 1
- vii) Finite and Infinite
- viii) Multiple

2. Write all the factors of:

i) 16

ans:- 1, 2, 4, 8 and 16.

ii) 21

ans:- 1, 3, 7 and 21.

iii) 39

ans:- 1, 3, 13 and 39.

iv) 48

ans:- 1, 2, 3, 4, 6, 8, 12, 24 and 48.

v) 64

ans:- 1, 2, 4, 8, 16, 32 and 64.

vi) 98

ans:- 1, 2, 7, 14, 49 and 98.

3. Write first six multiples of:

i) 4

ans:- 4, 8, 12, 16, 20 and 24.

ii) 9

ans:- 9, 18, 27, 36, 45 and 54.

iii) 11

ans:- 11, 22, 33, 44, 55 and 66.

iv) 15

ans:- 15, 30, 45, 60, 75 and 90.

v) 18

ans:- 18, 36, 54, 72, 90 and 108.

vi) 16

ans:- 16, 32, 48, 64, 80 and 96.

A4. Since, $36 = 1 \times 36, 2 \times 18, 3 \times 12, 4 \times 9, 6 \times 6$

Clearly no's are 4 and 9 as $4 \times 9 = 36$ and $4 + 9 = 13$.

A5. Since, $48 = 1 \times 48, 2 \times 24, 3 \times 16, 4 \times 12$

Clearly no's are 4 and 12 as $4 \times 12 = 48$ and $4 + 12 = 16$.