Factor and multiples

A1 1 is a factor everyone.

2 2 is the first even prime number

3 The smallest multiple of a number is the number itself

4 ~~Ever~~ 1 is multiple of Every number.

5 Prime number are having two Number of factor

B1

1a Every number is a multiple of ____

b 1

2 b Composite number are the number having more than two factor ie other than 1 and Number itself

c b 1

3@ Every _____ number can be expressed as a product of all it's prime factor.

b Composite

4@ Every composite numbers are having more than _____ factor

a two

⑤ When a particular number is a multiple of 2 or more numbers it is called common multiple

C1 Multiple of 18 - 18, 36, 54, 72, 90.

2 HCF 40, 50, 60 prime factorization

2	40
2	20
2	10
	5

5	50
5	10
	2

2	60
3	30
2	10
	5

40 - 2×2×2×5

50 - 5×5×2

60 - 2×2×3×5

HCF = 2×5 = 10

3Q LCM of 36, 52 by listing method

36 - 36, 68, 108, 144, 180, 216, 252, 288, 360, 396, 432, (468)

52 - 52, 104, 156, 208, 260, 312, 364, 416, (468)

LCM = 468

4 LCM of 15 and 90 by common division method

5	15, 90
3	3, 18
2	1, 6
	1, 3

2×5×3×3 = 90

LCM = 90

5 HCF of 144, 180 and 192 by common division method

2	144, 180, 192
2	72, 90, 96
3	36, 45, 48
	12, 15, 16

HCF $2 \times 2 \times 3 = 12$