

### **Highest Common Factor (HCF)**

Find the HCF for the following numbers.

(i) 18, 48

(ii) 30, 42

(iii) 8, 60

(iv) 27, 63

(v) 36, 84

(vi) 34, 102

(vii) 70, 105, 175

(viii) 91, 112, 49

(ix) 8, 54, 81

(x) 12, 45, 75

In each row, pick out the number that is **not** a factor of the number in the brackets.

- 1 (8) 1, 2, 4, 9 and 8
- 2 (12) 1, 2, 3, 4, 6, 7 and 12
- 3 (20) 1, 2, 4, 5, 6, 10 and 20
- 4 (24) 1, 2, 3, 4, 6, 8, 9, 12, and 24.
- 5 (28) 1, 2, 4, 7, 12, 14 and 28
- 6 (32) 1, 2, 4, 8, 10, 16, and 32.
- 7 (38) 1, 2, 7, 19 and 38.
- 8 (45) 1, 3, 5, 9, 12, 15 and 45.
- 9 (54) 1, 2, 3, 6, 9, 14, 18, 27 and 54.
- 10 (62) 1, 2, 16, 31, and 62

**Write the missing factor for each line**

- 11 (18) 1, 2, 6, 9 and 18.
- 12 (20) 1, 2, 4, 10 and 20.
- 13 (24) 1, 2, 3, 6, 8, 12, and 24.
- 14 (26) 1, 2, 13,
- 15 (30) 1, 2, 3, 5, 6, 15 and 30

16. What is the HCF of 42 and 68.

17. What is the HCF of 94 and 132.

18. What is the HCF of 78 and 86.