

8. Find the **l.c.m.** of the following pairs of numbers :-

- a 6 and 8 b 4 and 5 c 2 and 7 d 8 and 10
e 3 and 5 f 9 and 10 g 10 and 12 h 3 and 9.

9. Find the **l.c.m.** of these sets of numbers :-

- a 2, 3 and 4 b 2, 4 and 5 c 3, 4 and 6 d 4, 6 and 8
e 2, 4 and 8 f 6, 8 and 9 g 3, 6 and 20 h 5, 6 and 7.

Factors

When you can divide a given number by a 2nd number (**exactly**), with no remainder, then that 2nd number is called a **factor** of the first number.

The **factors** of 12 are 1, 2, 3, 4, 6, 12.

Find factors of a number & the highest common factor of a set of numbers

Exercise 2



- Write down the two factors of 5.
- Write down all four factors of 8.
- Write down the :-
 - two factors of 11
 - four factors of 14
 - four factors of 10
 - five factors of 16
 - six factors of 18
 - eight factors of 30.
- Find **all** the factors of these numbers :-
 - 6
 - 15
 - 24
 - 36.
- Write **true** or **false** for each statement :-
 - 4 is a factor of 32
 - 6 is a factor of 38
 - 7 is a factor of 56
 - 8 is a factor of 72
 - 9 is a factor of 45
 - 5 is a factor of 135
 - 120 is a factor of 30
 - 7 is a factor of 128.
- List the six factors of 12.
 - List all six factors of 18.
 - Which factors appear on both lists? (these are the **common factors** of 12 and 18).
 - What is the **highest common factor** (or the **h.c.f.**)?

