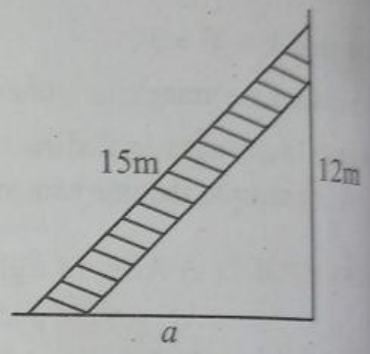
EXERCISE 6.5

1. PQR is a triangle, right-angled at P. If PQ = 10 cm and PR = 24 cm, find QR.
2. ABC is a triangle, right-angled at C. If AB = 25 cm and AC = 7 cm, find BC.
3. A 15 m long ladder reached a window 12 m high from the ground on placing it against a wall at a distance a. Find the distance of the foot of the ladder from the wall.



4. Which of the following can be the sides of a right triangle?
   (i) 2.5 cm, 6.5 cm, 6 cm.
   (ii) 2 cm, 2 cm, 5 cm.
   (iii) 1.5 cm, 2cm, 2.5 cm.

   In the case of right-angled triangles, identify the right angles.
5. A tree is broken at a height of 5 m from the ground and its top touches the ground at a distance of 12 m from the base of the tree. Find the original height of the tree.

LIVEWORKSHEETS