Area of a trapezium and compound shapes

Worksheet

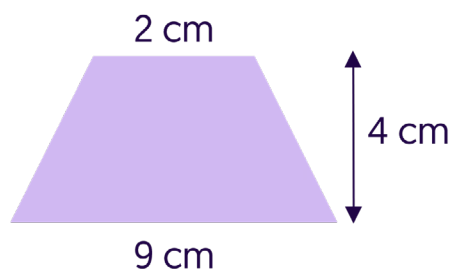### Area of a trapezium

1. Which of the following can be a unit of area?
   a. cm
   b. m
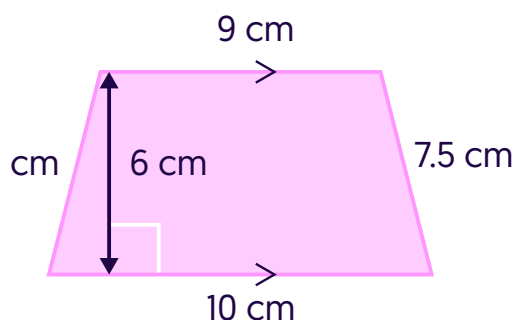   c. m^2
   d. cm^3

2. What is the area of this shape?
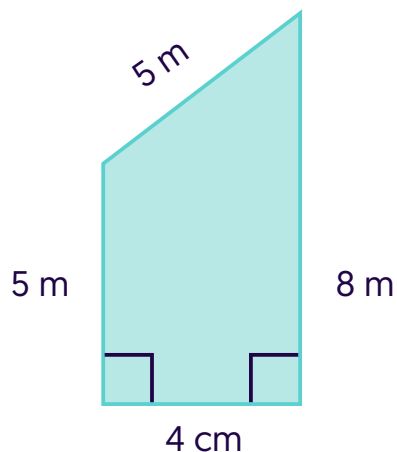   a. 13 cm²
   b. 20 cm²
   c. 36 cm²
   d. 22 cm²

3. What is the area of the following trapezium?
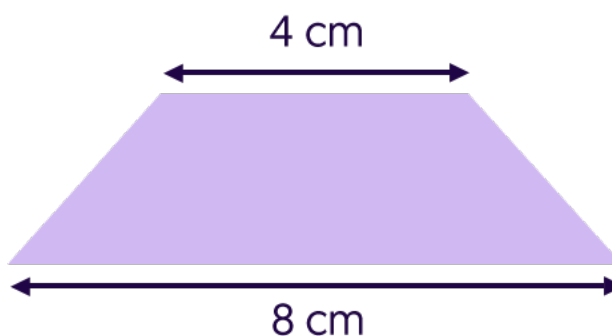   a. 66.5 cm²
   b. 114 cm²
   c. 57 cm²
   d. 71.25 cm²

4. What is the area of the following trapezium?
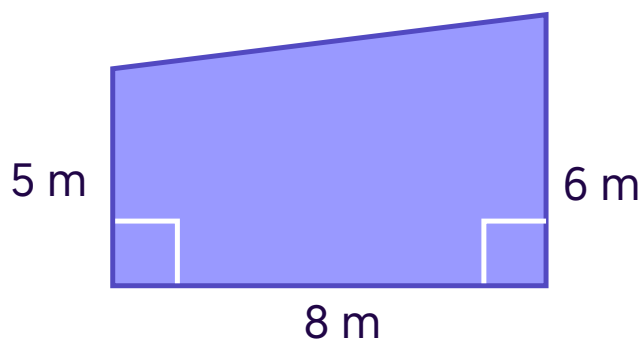   a. 22.5 cm²
   b. 26 cm²
   c. 36 cm²
   d. 32.5 cm²

5. The area of this trapezium is 24cm². What is the height?

6. A wall of a building has the shape below.
   Joanna wants to paint the wall. The paint costs £4.70 for enough to cover 4 m².
   How much will it cost to buy the paint?

Challenge

7. Find the shaded area: