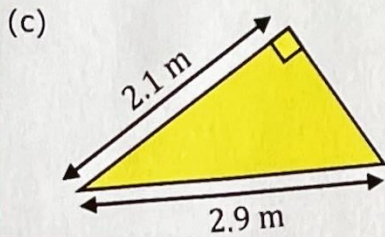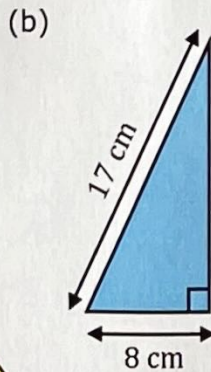# Area and Perimeter Using Pythagoras
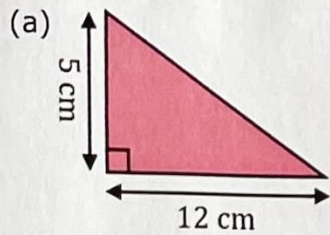
Find the area and perimeter of each of these right-angled triangles:

(a)

5 cm

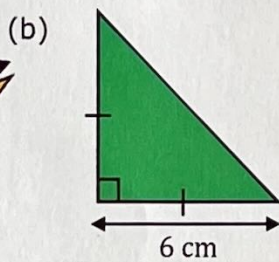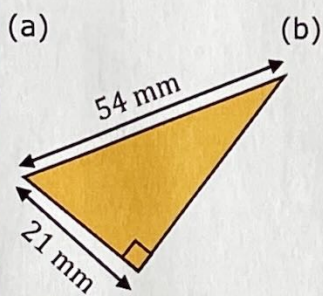12 cm

(b)

17 cm

8 cm

(c)

2.1 m

2.9 m

(a) Area = 30 cm²
Perimeter = 30 cm

(b) Area = 60 cm²
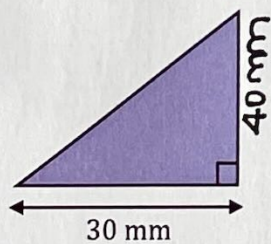Perimeter = 40 cm

(c) Area = 2.1 m²
Perimeter = 7 m

Find the area and perimeter of each of these right-angled triangles, giving your answers to 1 decimal place.

(a)

54 mm

21 mm

(b)

6 cm

(a) Area = 522.4 mm²
Perimeter = 124.7 mm

(b) Area = 18 cm²
Perimeter = 20.5 cm

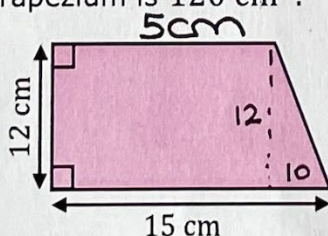(a) The area of this triangle is 600 mm². Find the perimeter of the triangle.

40 mm

30 mm

(b) The area of this triangle is 24.5 cm². Find the perimeter of the triangle.

7 cm

7 cm

(a) 120 mm

(b) 23.9 cm

The area of the trapezium is 120 cm². Find the perimeter of the trapezium.

5 cm

12 cm

12

10

15 cm

47.6 cm or

$32 + 2\sqrt{61}$ cm