

- 1) a) 312cm^2 b) 520m^2 c) 15m^2



- 2) *Answers will vary but may include rectangles with the following measurements:
 $1\text{cm} \times 30\text{cm}$, $2\text{cm} \times 15\text{cm}$, $3\text{cm} \times 10\text{cm}$, $5\text{cm} \times 6\text{cm}$*

- 1) ☐ If a square and a rectangle whose sides are not all equal have the same area, they will have the same perimeter.
They could have different perimeters.
- ☐ A square can never have an area greater than 9cm^2 but less than 16cm^2 .
They could have sides of between 3cm and 4cm in length.
- ☒ If I cut an 80cm^2 rectangle into 2 new rectangles, they will have a combined area of 80cm^2 .



- 2) *6cm and 18cm*

- 1) Garage: 60m^2
 Living Room: 144m^2
 Hallway: 36m^2
 Kitchen: 60m^2
 Total Area: 300m^2



- 2) *Children will find different solutions to this problem. The total area of the four rooms should be 300m^2 .*