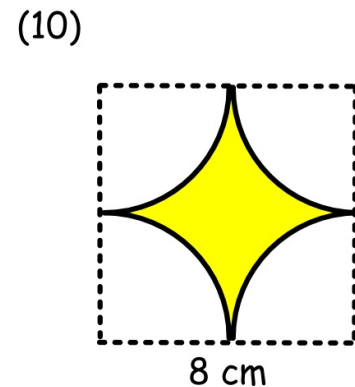
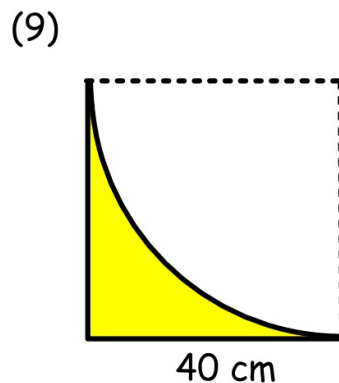
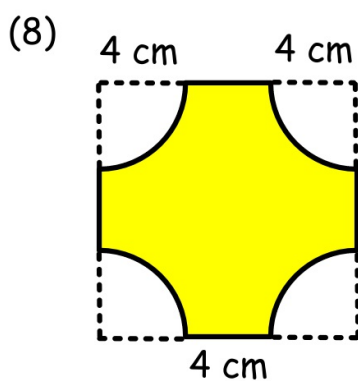
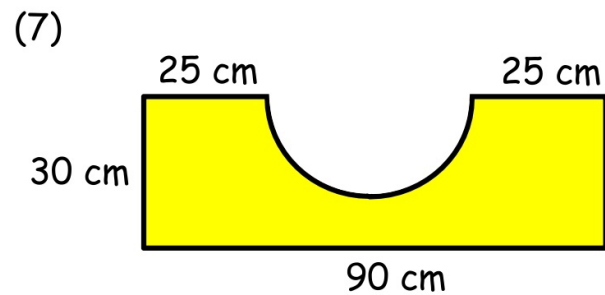
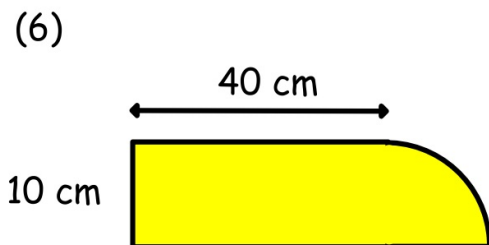
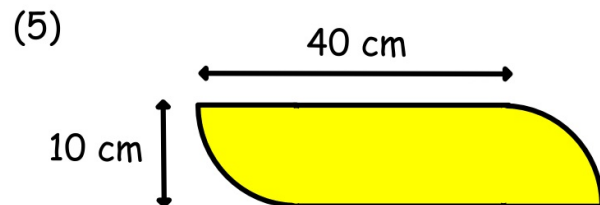
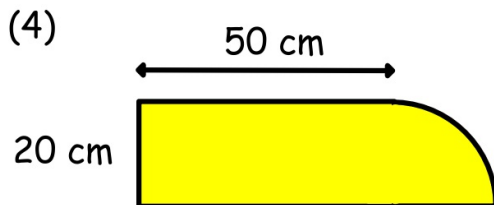
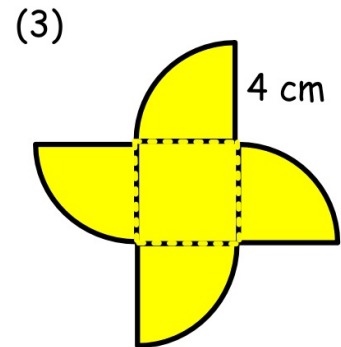
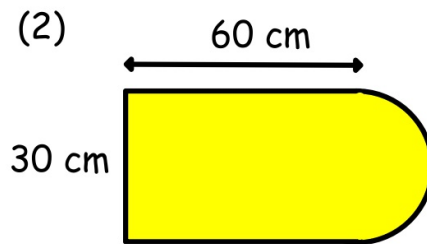
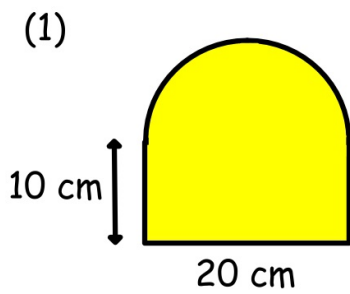
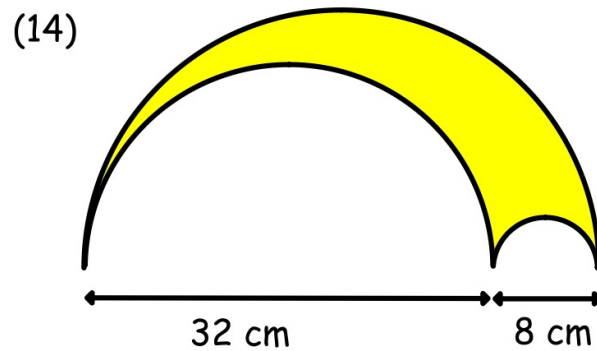
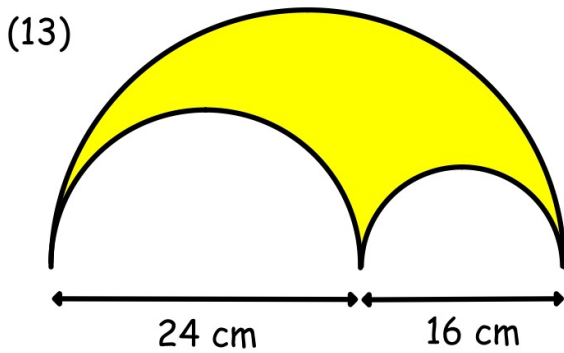
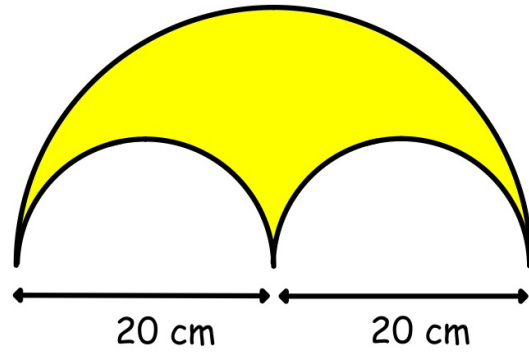
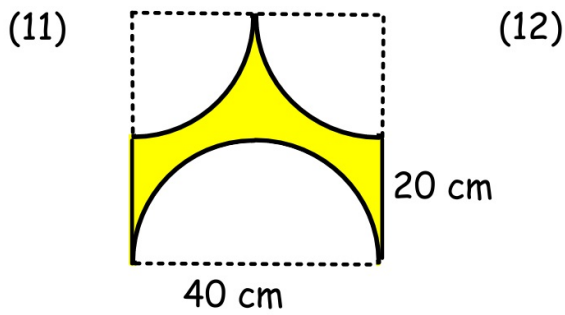


# COMPOSITE SHAPES: rectangles and circles

Find: (a) the perimeter of the shape  
(b) the area of the shape





- |          |                              |     |                                   |
|----------|------------------------------|-----|-----------------------------------|
| (1) (a)  | $40 + 10\pi = 71.415\dots$   | (b) | $200 + 50\pi = 357.079\dots$      |
| (2) (a)  | $150 + 15\pi = 197.123\dots$ | (b) | $1800 + 112.5\pi = 2153.429\dots$ |
| (3) (a)  | $16 + 8\pi = 41.132\dots$    | (b) | $16 + 16\pi = 66.265\dots$        |
| (4) (a)  | $140 + 10\pi = 171.415\dots$ | (b) | $1000 + 100\pi = 1314.159\dots$   |
| (5) (a)  | $80 + 10\pi = 111.415\dots$  | (b) | $300 + 50\pi = 457.079\dots$      |
| (6) (a)  | $100 + 5\pi = 115.707\dots$  | (b) | $400 + 25\pi = 478.539\dots$      |
| (7) (a)  | $200 + 20\pi = 262.831\dots$ | (b) | $2700 - 200\pi = 2071.681\dots$   |
| (8) (a)  | $16 + 8\pi = 41.132\dots$    | (b) | $144 - 16\pi = 93.734\dots$       |
| (9) (a)  | $80 + 20\pi = 142.831\dots$  | (b) | $1600 - 400\pi = 343.362\dots$    |
| (10) (a) | $8\pi = 25.132\dots$         | (b) | $64 - 16\pi = 13.734\dots$        |
| (11) (a) | $40 + 40\pi = 165.663\dots$  | (b) | $1600 - 400\pi = 343.362\dots$    |
| (12) (a) | $40\pi = 125.663\dots$       | (b) | $100\pi = 314.159\dots$           |
| (13) (a) | $40\pi = 125.663\dots$       | (b) | $96\pi = 301.592\dots$            |
| (14) (a) | $40\pi = 125.663\dots$       | (b) | $64\pi = 201.061\dots$            |