

Answers to Area and Perimeter questions – week 16

Equilateral triangle: 25 (multiply base x height, as for a square, then halve it.)

Right angled triangle: 10 ($5 \times 4 = 20$ as for area of a square, then halve it.)

Rectangle: 36 ($9 \times 4 = 36$)

Arrow: 14 (area of the rectangle, plus area of the triangle, so $2 \times 5 = 10$, $4 \times 2 = 8$ then halve it $= 4$. Add them together.)

Perimeter of:

Decagon: 20 ($2\text{cm} \times 10 = 20\text{cm}$)

Regular pentagon: 17.5 ($3.5 \times 5 = 17.5$)

Regular hexagon: 24 ($6 \times 4 = 24$)

Questions

1) 1900m ($(70 \times 50) = 3500 - (40 \times 40) = 1600 = 1900\text{m}$)

2) 58 ($15 \times 9 - (11 \times 7) = 58$)

3) 182 ($8 \times 4 + (16 \times 12) = 182$ (if you got 204, look more closely at the diagram.)

4) 36 ($6 \times 8 + (4 \times 6 \text{ divide by } 2) = 36$)

5) 20cm