# Start Tasks — Answers

*Find the area of each shape.*

**1.** Rectangle: length $5$ cm, width $3$ cm

**Solution**

Area $= l \times w$

$= 5 \times 3 = 15$ cm$^2$

**2.** Rectangle: length $8$ m, width $4$ m

**Solution**

Area $= 8 \times 4$

$= 32$ m$^2$

**3.** Square: side $6$ cm

**Solution**

Area $= s^2 = 6^2$

$= 36$ cm$^2$

**4.** Triangle: base $10$ cm, height $4$ cm

**Solution**

Area $= \frac{1}{2} \times b \times h$

$= \frac{1}{2} \times 10 \times 4 = 20$ cm$^2$

**5.** Triangle: base $6$ m, height $8$ m

**Solution**

Area $= \frac{1}{2} \times 6 \times 8$

$= 24$ m$^2$

**6.** Parallelogram: base $7$ cm, height $5$ cm

**Solution**

Area $= b \times h = 7 \times 5$

$= 35$ cm$^2$

**7.** Trapezium: parallel sides $5$ cm and $9$ cm, height $4$ cm

**Solution**

Area $= \frac{1}{2}(5 + 9) \times 4$

$= \frac{1}{2} \times 14 \times 4 = 28$ cm$^2$

**8.** Circle: radius $3$ cm (use $\pi \approx 3.14$)

**Solution**

Area $= \pi r^2 = 3.14 \times 3^2$

$= 3.14 \times 9 = 28.26$ cm$^2$

**9.** Circle: diameter $10$ m (use $\pi \approx 3.14$)

**Solution**

$r = 5$ m: Area $= 3.14 \times 5^2$

$= 3.14 \times 25 = 78.5$ m$^2$

# Start Tasks — Answers

*Calculate the area using the correct formula for each shape.*

**1.** Rectangle: $12$ cm $\times$ $9$ cm

**Solution**

Area $= 12 \times 9$

$= 108$ cm$^2$

**2.** Triangle: base $14$ m, height $6$ m

**Solution**

Area $= \frac{1}{2} \times 14 \times 6$

$= 42$ m$^2$

**3.** Parallelogram: base $11$ cm, height $7$ cm

**Solution**

Area $= 11 \times 7$

$= 77$ cm$^2$

**4.** Circle: radius $5$ cm (use $\pi \approx 3.14$)

**Solution**

Area $= 3.14 \times 5^2$

$= 3.14 \times 25 = 78.5$ cm$^2$

**5.** Trapezium: parallel sides $8$ cm and $12$ cm, height $5$ cm

**Solution**

Area $= \frac{1}{2}(8 + 12) \times 5$

$= \frac{1}{2} \times 20 \times 5 = 50$ cm$^2$

**6.** Rectangle: length $15$ m, width $6$ m

**Solution**

Area $= 15 \times 6$

$= 90$ m$^2$

**7.** Triangle: base $9$ cm, height $10$ cm

**Solution**

Area $= \frac{1}{2} \times 9 \times 10$

$= 45$ cm$^2$

**8.** Circle: diameter $12$ m (use $\pi \approx 3.14$)

**Solution**

$r = 6$ m: Area $= 3.14 \times 6^2$

$= 3.14 \times 36 = 113.04$ m$^2$

**9.** Parallelogram: base $13$ m, height $4$ m

**Solution**

Area $= 13 \times 4$

$= 52$ m$^2$