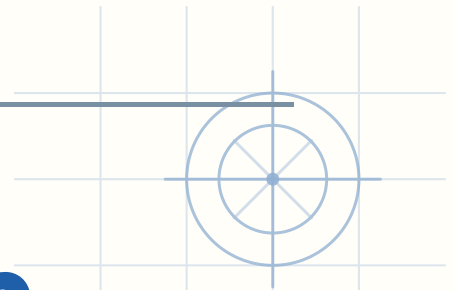


Counting squares — Both shapes

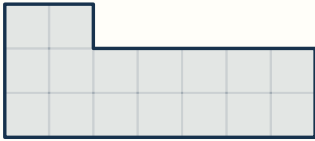
Name: _____

Date: _____

Count the squares to find the area of each figure.

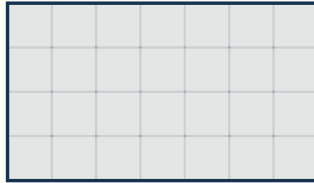


1



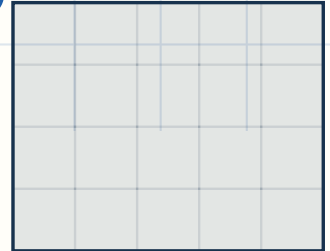
16 squares

2



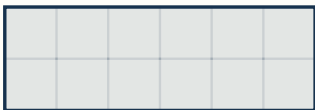
_____ squares

3



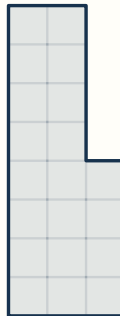
_____ squares

4



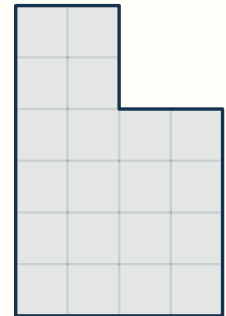
_____ squares

5



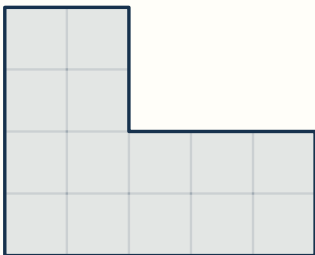
_____ squares

6



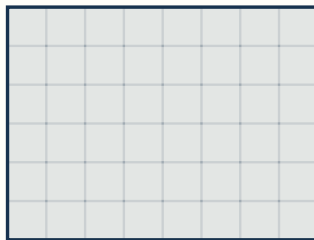
_____ squares

7



_____ squares

8



_____ squares



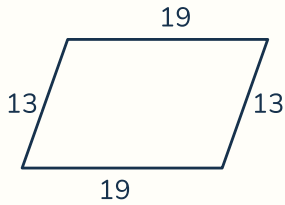
Figure perimeter — Every figure

Name: _____

Date: _____

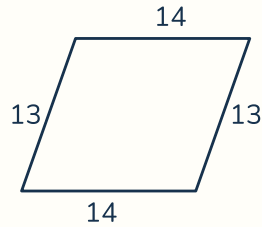
Add every side. All lengths are in centimeters.

1



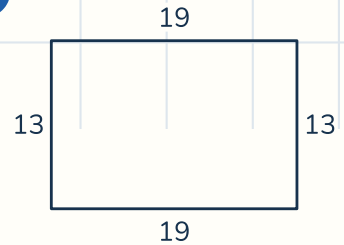
64 cm

2



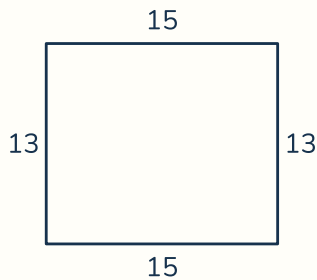
_____ cm

3



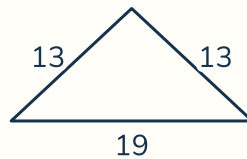
_____ cm

4



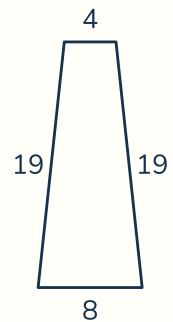
_____ cm

5



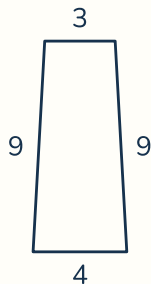
_____ cm

6



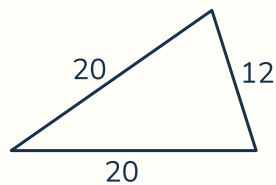
_____ cm

7



_____ cm

8



_____ cm

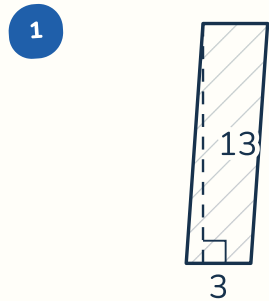
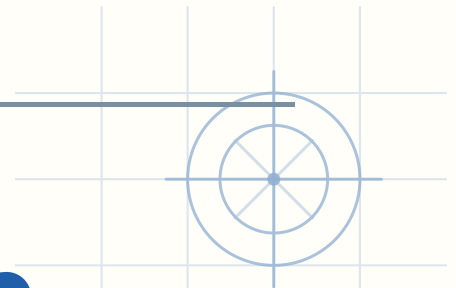


Area of figures — Every figure

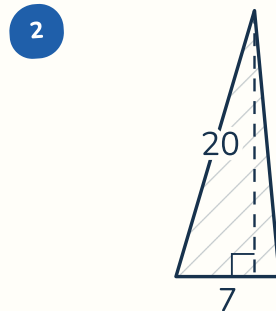
Name: _____

Date: _____

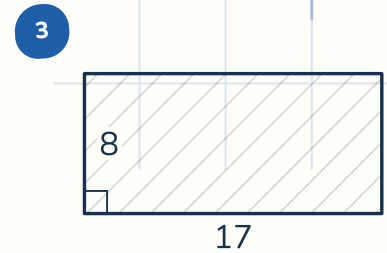
Find the area. Lengths are in cm; the dashed line is the height.



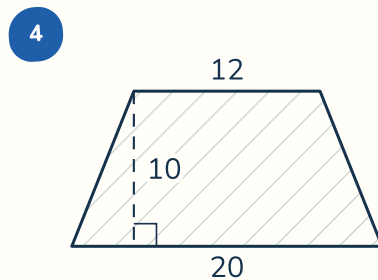
39 cm²



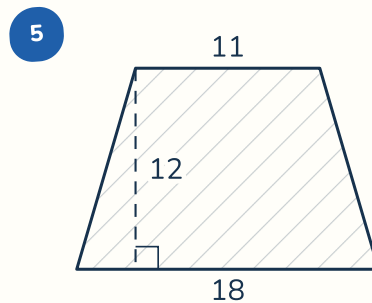
_____ cm²



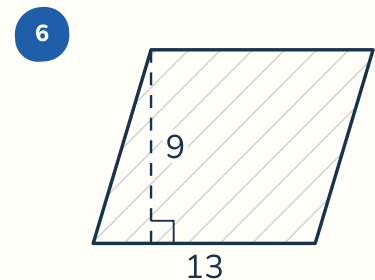
_____ cm²



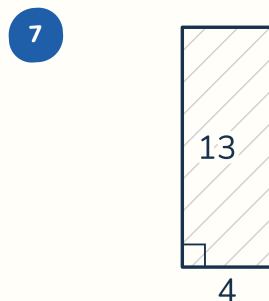
_____ cm²



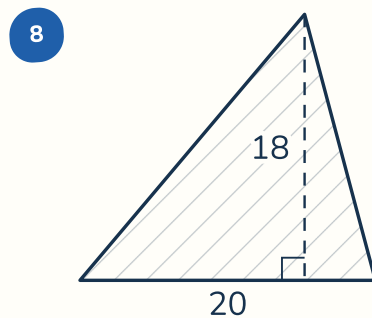
_____ cm²



_____ cm²



_____ cm²



_____ cm²

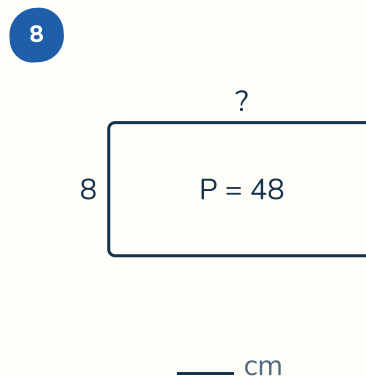
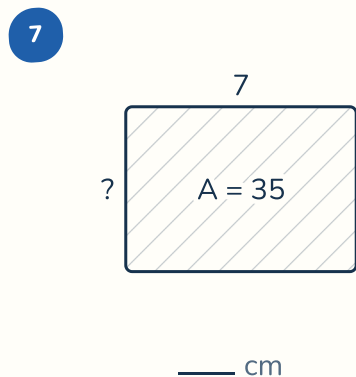
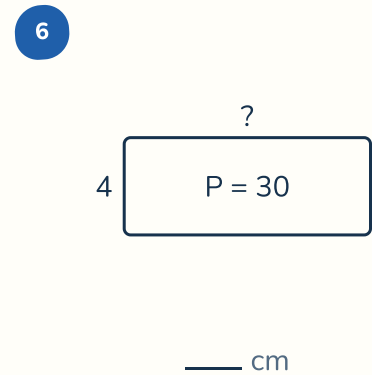
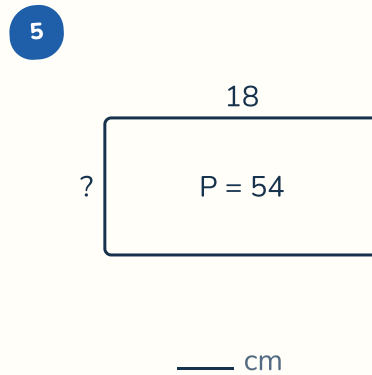
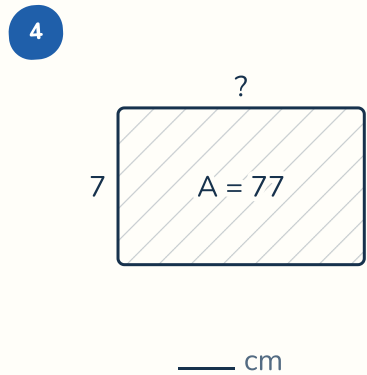
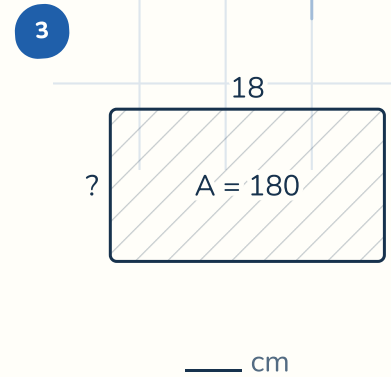
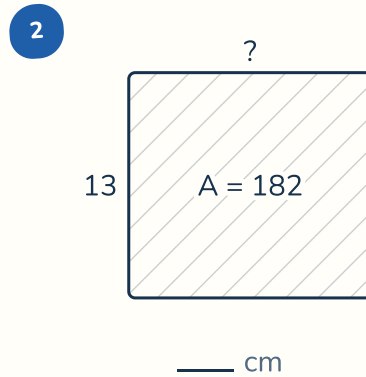
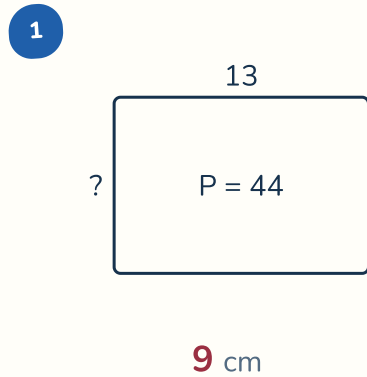
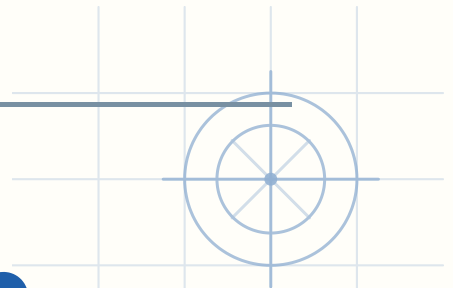


Missing side — Area or perimeter

Name: _____

Date: _____

Find the missing side. All lengths are in centimeters.

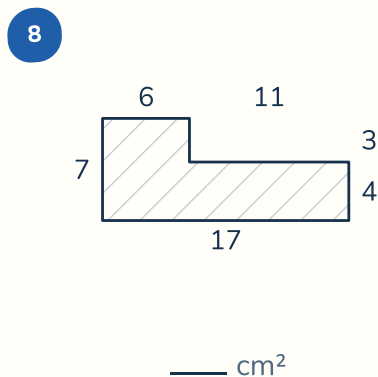
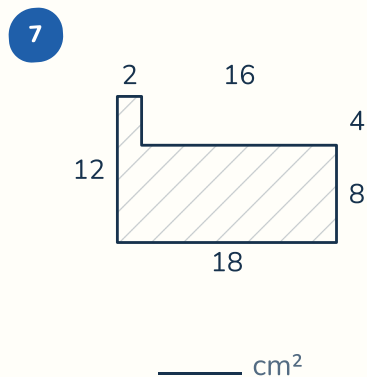
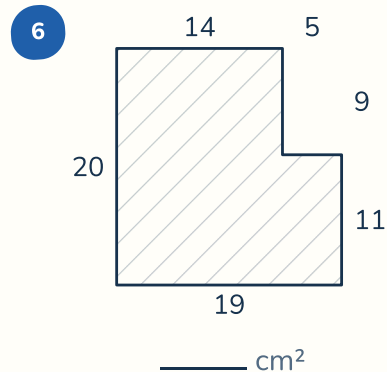
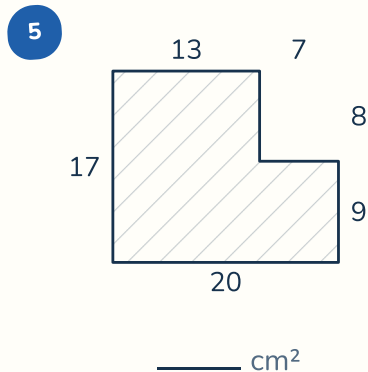
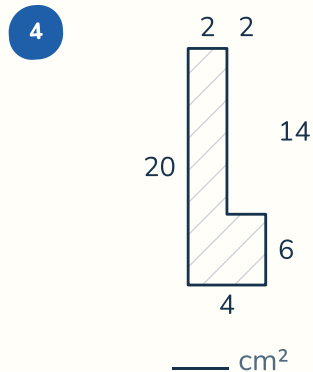
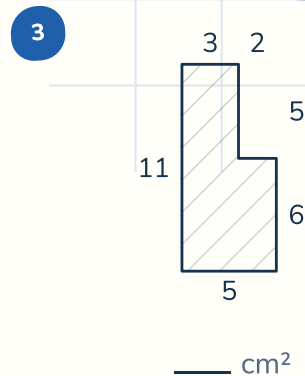
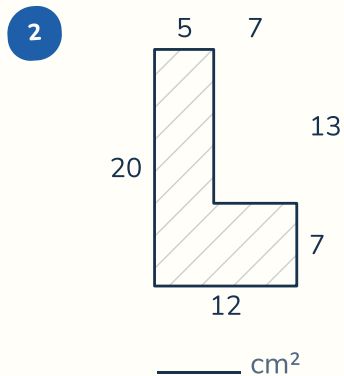
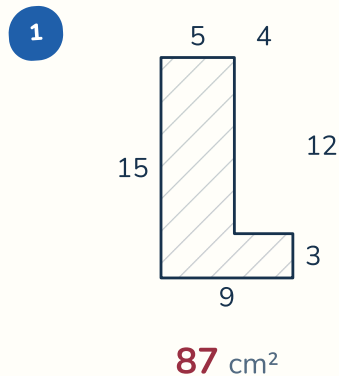
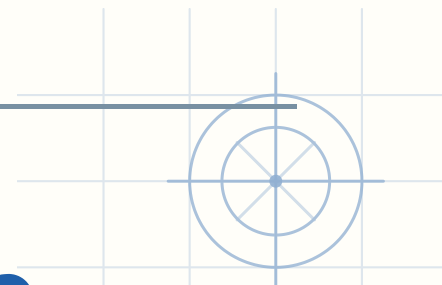


Composite area — Sides to 20

Name: _____

Date: _____

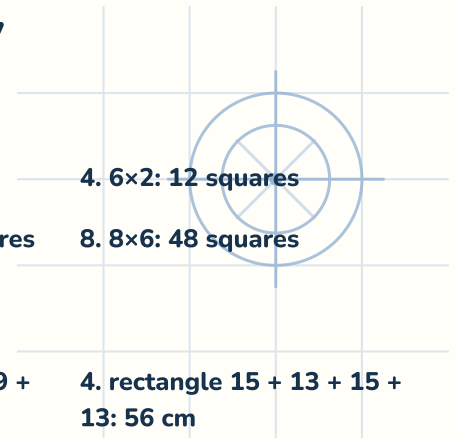
Find the area of each figure. All lengths are in centimeters.



Power Pack · Perimeter and area — Answer key

Count squares

- | | | | |
|--|--|--|------------------------------|
| 1. 7×3 less 5×1 : 16 squares | 2. 7×4 : 28 squares | 3. 5×4 : 20 squares | 4. 6×2 : 12 squares |
| 5. 3×8 less 1×4 : 20 squares | 6. 4×6 less 2×2 : 20 squares | 7. 5×4 less 3×2 : 14 squares | 8. 8×6 : 48 squares |



Perimeter

- | | | | |
|--|--|--|--|
| 1. parallelogram $19 + 13 + 19 + 13$: 64 cm | 2. parallelogram $14 + 13 + 14 + 13$: 54 cm | 3. rectangle $19 + 13 + 19 + 13$: 64 cm | 4. rectangle $15 + 13 + 15 + 13$: 56 cm |
| 5. triangle $13 + 13 + 19$: 45 cm | 6. trapezoid $4 + 19 + 8 + 19$: 50 cm | 7. trapezoid $3 + 9 + 4 + 9$: 25 cm | 8. triangle $12 + 20 + 20$: 52 cm |

Area

- | | | | |
|--|--|---|--|
| 1. parallelogram $3 \times 13 = 39 \text{ cm}^2$ | 2. triangle $7 \times 20 \div 2 = 70 \text{ cm}^2$ | 3. rectangle $17 \times 8 = 136 \text{ cm}^2$ | 4. trapezoid $(12 + 20) \div 2 \times 10 = 160 \text{ cm}^2$ |
| 5. trapezoid $(11 + 18) \div 2 \times 12 = 174 \text{ cm}^2$ | 6. parallelogram $13 \times 9 = 117 \text{ cm}^2$ | 7. rectangle $4 \times 13 = 52 \text{ cm}^2$ | 8. triangle $20 \times 18 \div 2 = 180 \text{ cm}^2$ |

Missing side

- | | | | |
|-----------------------------|-------------------------------|-------------------------------|-----------------------------|
| 1. $P = 44$, side 13: 9 cm | 2. $A = 182$, side 13: 14 cm | 3. $A = 180$, side 18: 10 cm | 4. $A = 77$, side 7: 11 cm |
| 5. $P = 54$, side 18: 9 cm | 6. $P = 30$, side 4: 11 cm | 7. $A = 35$, side 7: 5 cm | 8. $P = 48$, side 8: 16 cm |

L-shape area

- | | | | |
|--|---|---|---|
| 1. 9×15 less 4×12 : 87 cm^2 | 2. 12×20 less 7×13 : 149 cm^2 | 3. 5×11 less 2×5 : 45 cm^2 | 4. 4×20 less 2×14 : 52 cm^2 |
| 5. 20×17 less 7×8 : 284 cm^2 | 6. 19×20 less 5×9 : 335 cm^2 | 7. 18×12 less 16×4 : 152 cm^2 | 8. 17×7 less 11×3 : 86 cm^2 |