



PERIMETER CHALLENGES 1

- Work out the perimeter of the following shapes.
- Remember - the perimeter is the distance round the outside of the shape.

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| 1) A rectangle measuring 7cm by 4cm. | Perimeter = _____ cm |
| 2) A square with side 8cm. | Perimeter = _____ cm |
| 3) A rectangle with sides 15mm and 8mm. | Perimeter = _____ mm |
| 4) A square with sides of $2\frac{1}{2}$ cm | Perimeter = _____ cm |
| 5) A rectangle with sides 9cm and 7cm. | Perimeter = _____ cm |
| 6) A rectangle with sides $3\frac{1}{2}$ cm and $1\frac{1}{2}$ cm. | Perimeter = _____ cm |
| 7) A regular pentagon with sides 7cm | Perimeter = _____ cm |
| 8) A square with sides of 1.2m | Perimeter = _____ m |
| 9) An equilateral triangle with sides 21cm | Perimeter = _____ cm |
| 10) A regular hexagon with sides 11mm | Perimeter = _____ mm |
| 11) A regular pentagon with sides 40cm | Perimeter = _____ cm |
| 12) A regular octagon with sides 9mm | Perimeter = _____ mm |
| 13) A square with sides 0.8m | Perimeter = _____ m |
| 14) A regular decagon with sides 4.5cm | Perimeter = _____ cm |
| 15) A regular nonagon with sides 0.6m | Perimeter = _____ m |





PERIMETER CHALLENGES 1 ANSWERS

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| 1) A rectangle measuring 7cm by 4cm. | Perimeter = 22 cm |
| 2) A square with side 8cm. | Perimeter = 32 cm |
| 3) A rectangle with sides 15mm and 8mm. | Perimeter = 46 mm |
| 4) A square with sides of $2\frac{1}{2}$ cm | Perimeter = 10 cm |
| 5) A rectangle with sides 9cm and 7cm. | Perimeter = 32 cm |
| 6) A rectangle with sides $3\frac{1}{2}$ cm and $1\frac{1}{2}$ cm. | Perimeter = 10 cm |
| 7) A regular pentagon with sides 7cm | Perimeter = 35 cm |
| 8) A square with sides of 1.2m | Perimeter = 4.8 m |
| 9) An equilateral triangle with sides 21cm | Perimeter = 63 cm |
| 10) A regular hexagon with sides 11mm | Perimeter = 66 mm |
| 11) A regular pentagon with sides 40cm | Perimeter = 200 cm |
| 12) A regular octagon with sides 9mm | Perimeter = 72 mm |
| 13) A square with sides 0.8m | Perimeter = 3.2 m |
| 14) A regular decagon with sides 4.5cm | Perimeter = 45 cm |
| 15) A regular nonagon with sides 0.6m | Perimeter = 5.4 m |