

Name \_\_\_\_\_

Date \_\_\_\_\_



## PERIMETER OF 2D SHAPES CHALLENGES 1

*Work out the perimeter of the following shapes.*

- 1) A rectangle measuring 5 cm by 4 cm. Perimeter = \_\_\_\_\_
- 2) A square with side 8 cm. Perimeter = \_\_\_\_\_
- 3) A rectangle with sides 5 mm and 8 mm. Perimeter = \_\_\_\_\_
- 4) A square with sides of 30 cm Perimeter = \_\_\_\_\_
- 5) A rectangle with sides 9 cm and 7 cm. Perimeter = \_\_\_\_\_
- 6) A rectangle with sides 30 cm and 10 cm. Perimeter = \_\_\_\_\_
- 7) A regular pentagon with sides 7 cm Perimeter = \_\_\_\_\_
- 8) A square with sides of 25 mm. Perimeter = \_\_\_\_\_
- 9) An equilateral triangle with sides 25 cm Perimeter = \_\_\_\_\_
- 10) A regular hexagon with sides 15 mm Perimeter = \_\_\_\_\_
- 11) A regular pentagon with sides 9 cm Perimeter = \_\_\_\_\_
- 12) A regular octagon with sides 6 mm Perimeter = \_\_\_\_\_
- 13) A square with sides 21 cm. Perimeter = \_\_\_\_\_
- 14) A regular decagon with sides 4 cm Perimeter = \_\_\_\_\_
- 15) A regular nonagon with sides 3 m Perimeter = \_\_\_\_\_
- 16) A regular hexagon with sides 30 cm. Perimeter = \_\_\_\_\_





## PERIMETER OF 2D SHAPES CHALLENGES 1 ANSWERS

- |   |                           |
|---|---------------------------|
| 1) A rectangle measuring 5 cm by 4 cm.      | Perimeter = <u>18 cm</u>  |
| 2) A square with side 8 cm.                 | Perimeter = <u>32 cm</u>  |
| 3) A rectangle with sides 5 mm and 8 mm.    | Perimeter = <u>26 mm</u>  |
| 4) A square with sides of 30 cm             | Perimeter = <u>120 cm</u> |
| 5) A rectangle with sides 9 cm and 7 cm.    | Perimeter = <u>32 cm</u>  |
| 6) A rectangle with sides 30 cm and 10 cm.  | Perimeter = <u>80 cm</u>  |
| 7) A regular pentagon with sides 7 cm       | Perimeter = <u>35 cm</u>  |
| 8) A square with sides of 25 mm.            | Perimeter = <u>100 mm</u> |
| 9) An equilateral triangle with sides 25 cm | Perimeter = <u>75 cm</u>  |
| 10) A regular hexagon with sides 15 mm      | Perimeter = <u>90 mm</u>  |
| 11) A regular pentagon with sides 9 cm      | Perimeter = <u>45 cm</u>  |
| 12) A regular octagon with sides 6 mm       | Perimeter = <u>72 mm</u>  |
| 13) A square with sides 21 cm.              | Perimeter = <u>84 cm</u>  |
| 14) A regular decagon with sides 4 cm       | Perimeter = <u>40 cm</u>  |
| 15) A regular nonagon with sides 3 m        | Perimeter = <u>27 m</u>   |
| 16) A regular hexagon with sides 30 cm.     | Perimeter = <u>180 cm</u> |