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| Year  7 | Mathematics Test –  Perimeter | **Calculator Test** |
|  | Name |  |

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| **Answer all questions in the spaces provided on this test paper by**  **Writing the answer in the box provided.**  **or**  **Shading in the bubble for the correct answer from the four choices provided.**  **Show any working out on the test paper.** | |
| 1. | What is the perimeter of a square whose side measures 2.6 metres?  Perimeter = metres |
| 2. | A rectangular paddock measures 250 metres by 380 metres. What is the perimeter of the field?  Perimeter = metres |
| 3. | Jake measures one side of a rhombus to be 16 cm. What is its perimeter?  Perimeter = centimetres |
| 4. | An advertising sign is to be in the shape of a parallelogram as shown.  Its perimeter is 480 cm.  The base of the sign is one metre.  How long is the side marked *x*?  *x* = |
| 5. | A section of bathroom wall is tiled with square tiles which measure 16 cm on each side.  What is the perimeter of the tiled section shown?  Perimeter = cm |
| 6. | A rectangle has a perimeter of 400 cm.  Its length is 20 cm more than its width.  Its dimensions are:  100 cm by 100 cm  105 cm by 95 cm  110 cm by 90 cm  120 cm by 80 cm |
| 7. | The four shapes below are made using 1 cm square tiles. Which of the shapes has the greatest perimeter? |
| 8. | What is perimeter of the irregular block of land shown? (All angles are right angles)  330 m  395 m  475 m  660 m |
| 9. | What is the perimeter of the shape shown?  Perimeter = m |
| 10. | The kite is to be edged with gaffer tape to give it extra strength. What length of tape is needed?    cm |
| 11. | What is perimeter of the irregular block of land shown? (All angles are right angles)  365 m  395 m  670 m  730 m |
| 12. | A picture frame is in the shape of a regular hexagon.  Find the perimeter of the frame.  Perimeter = cm |
| 13. | What is the circumference of the circle shown?  (Answer correct to 1 decimal place.)  Circumference = m. |
| 14. | A circular pond in a park has a diameter of 18 metres.  Joh runs around it 8 times.  How far does she run?  (Answer correct to the nearest metre.)  metres. |
| 15. | What is the perimeter of the semicircle shown, correct to one decimal place?    25.1 cm  41.1 cm  50.3 cm  66.3 cm |
| 16. | A sector of a circle is shown. What is its perimeter, correct to one decimal place?    5.2 cm  10.5 cm  45.2 cm  50.5 cm |
| 17. | The trapezoidal garden bed is to be edged with a timber borders that cost $3.50/metre. What is the cost of edging the bed?  .  $ |
| 18. | A place mat is made of plastic with a strip of metal around the edge. What is the length of metal needed for each place mat, correct to the nearest millimetre?    mm. |
| 19. | A running track has the dimensions shown. What is the distance travelled in making one lap of the track?    m. |
| 20. | Find the perimeter of the shape shown below.    m. |

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| Year  7 | Mathematics Test –  Perimeter | **Calculator Test** |
|  | ANSWERS |  |

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| **Answer all questions in the spaces provided on this test paper by**  **Writing the answer in the box provided.**  **or**  **Shading in the bubble for the correct answer from the four choices provided.**  **Show any working out on the test paper.** | |
| 1. | What is the perimeter of a square whose side measures 2.6 metres?    Perimeter = metres |
| 2. | A rectangular paddock measures 250 metres by 380 metres. What is the perimeter of the field?    Perimeter = metres |
| 3. | Jake measures one side of a rhombus to be 16 cm. What is its perimeter?    Perimeter = centimetres |
| 4. | An advertising sign is to be in the shape of a parallelogram as shown.  Its perimeter is 480 cm.  The base of the sign is one metre.  How long is the side marked *x*?    *x* = |
| 5. | A section of bathroom wall is tiled with square tiles which measure 16 cm on each side.  What is the perimeter of the tiled section shown?    Perimeter = cm |
| 6. | A rectangle has a perimeter of 400 cm.  Its length is 20 cm more than its width.  Its dimensions are:  100 cm by 100 cm  105 cm by 95 cm  110 cm by 90 cm  120 cm by 80 cm |
| 7. | The four shapes below are made using 1 cm square tiles. Which of the shapes has the greatest perimeter? |
| 8. | What is perimeter of the irregular block of land shown? (All angles are right angles)  330 m  395 m  475 m  660 m |
| 9. | What is the perimeter of the shape shown?    Perimeter = m |
| 10. | The kite is to be edged with gaffer tape to give it extra strength. What length of tape is needed?  280  cm |
| 11. | What is perimeter of the irregular block of land shown? (All angles are right angles)  365 m  395 m  670 m  730 m |
| 12. | A picture frame is in the shape of a regular hexagon.  Find the perimeter of the frame.    Perimeter = cm |
| 13. | What is the circumference of the circle shown?  (Answer correct to 1 decimal place.)    Circumference = m. |
| 14. | A circular pond in a park has a diameter of 18 metres.  Joh runs around it 8 times.  How far does she run?  (Answer correct to the nearest metre.)    metres. |
| 15. | What is the perimeter of the semicircle shown, correct to one decimal place?    25.1 cm  41.1 cm  50.3 cm  66.3 cm |
| 16. | A sector of a circle is shown. What is its perimeter, correct to one decimal place?    5.2 cm  10.5 cm  45.2 cm  50.5 cm |
| 17. | The trapezoidal garden bed is to be edged with a timber borders that cost $3.50/metre. What is the cost of edging the bed?  179.20  $ |
| 18. | A place mat is made of plastic with a strip of metal around the edge. What is the length of metal needed for each place mat, correct to the nearest millimetre?  771  mm. |
| 19. | A running track has the dimensions shown. What is the distance travelled in making one lap of the track?  400  m. |
| 20. | Find the perimeter of the shape shown below.  85.8  m. |