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| Year  9 | | Basic Geometry Practice Test | | Non Calculator |
| Short Answer Section | Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
|  | Write all working and answers in the spaces provided on this Practice Test paper. | | | |
| 1. | Complete the figure below so that it has an axis of symmetry along the line PQ.  Use a ruler for all straight lines. | | | |
| 2. | Find the value of  .  ....................................................................  ....................................................................  ....................................................................  ....................................................................  .................................................................... | | | |
| 3. | Find the value of *p.*  ....................................................................  ....................................................................  ....................................................................  ....................................................................  .................................................................... | | | |
| 4. | Find the value of *s* in the diagram.  .........................................................................................................................................................    ......................................................................................................................................................... | | | |
| 5. | What is the value of *b*?    .........................................................................................................................................................  ......................................................................................................................................................... | | | |
| 6. | Use a ruler to draw a rhombus which has diagonals which are 10 cm and 6 cm in length. | | | |
| 7. | In the figure below, . Find the size of the obtuse angle  below.  .........................................................................................................................................................  ......................................................................................................................................................... | | | |
| 8. | Use a pair of compasses and a rule to locate point P.  P lies on the line which bisects  P lies on the perpendicular bisector of *BC.* | | | |
| 9. | Find the value of  *x* in the diagram below.    ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 10. | What is the value of *z* in the diagram?  (2*z*+40)o  3*z*o    ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 11. | Find the value of *x*.  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 12. | Find the values of *y* and *m*.  ....................................................................  ....................................................................  ....................................................................  ....................................................................  .................................................................... | | | |

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| Year  9 | | Basic Geometry Practice Test | | Calculator |
| Multiple Choice Section | Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
|  | Mark all your answers on the accompanying multiple choice answer sheet, not on this Practice Test paper. You may do any working out on this Practice Test paper. Calculators are allowed for this section. | | | |
| 1. | The value of *m* is:  A.    B.  C.  D. | | | |
| 2. | Find the value of *m* in the triangle.  A.  B.  C.  D. | | | |
| 3. | The intervals *AB*, *CD* and *EF* are parallel.    What is the size of  ?  A.  B.  C.  D. | | | |
| 4. | Find the value of *x* in the triangle below.  A.  B.  C.  D. | | | |
| 5. | In which diagram is  ?  A. B.  C. D. | | | |
| 6. | What is the value of *m*?  A.  B.  C.  D. | | | |
| 7. | What are the values of *p* and *q*?  A.  B.  C.  D. | | | |
| 8. | A quadrilateral has a pair of equal diagonals that bisect one another at an angle of 100o. The quadrilateral is a:  A. rhombus. B. parallelogram  C. square D. rectangle | | | |
| 9. | Figure *PQRST* is a regular pentagon.  What is the size of  ?  A. 108o B. 36o  C. 72o D. 144o | | | |

Year 9 Geometry Practice Test

Multiple Choice Section

Answer Sheet

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Completely fill the response oval representing the most correct answer.

1. A B C D

2. A B C D

3. A B C D

4. A B C D

5. A B C D

6. A B C D

7. A B C D

8. A B C D

9. A B C D