**Basic Areas of 2D shapes**

|  |  |  |
| --- | --- | --- |
| Name : | Class : | Date : |

|  |  |  |
| --- | --- | --- |
| Mark : | /7 | % |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1)** Complete the table with names of quadrilaterals

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Shape | http://www.mathster.com/assessment/qimages/Kite50_0.png | http://www.mathster.com/assessment/qimages/Rectangle50.png | http://www.mathster.com/assessment/qimages/Rhombus50.png | http://www.mathster.com/assessment/qimages/Trapezium50.png | http://www.mathster.com/assessment/qimages/Square50.png | http://www.mathster.com/assessment/qimages/Parallelogram50.png |
| Name |  |  |  |  |  |  |

      | [1]   |
| **2)** Complete the table to show the properties of 4 shapes.

|  |  |  |  |
| --- | --- | --- | --- |
| **Shape** | **Number of sides** | **Number of right angles** | **All sides equal(yes or no)** |
| http://www.mathster.com/assessment/qimages/Square50_3.png | 4 | 4 | yes |
| http://www.mathster.com/assessment/qimages/1ra50b.png |  |  |  |
| http://www.mathster.com/assessment/qimages/Trapezium50_0.png |  |  |  |
| http://www.mathster.com/assessment/qimages/1ra50c.png |  |  |  |

 | [1]   |
| **3)** Find the area of the rectangle      http://www.mathster.com/course/simgs/114528977316_1.png | [1]   |
| **4)** Find the area of the triangle      http://www.mathster.com/course/simgs/114528977316_2.png | [1]   |
| **5)** Find the area of the rhombus if the perpendicular height from the base is 6 cm      http://www.mathster.com/course/simgs/114528977316_3.png | [1]   |
| **6)** Find the area of the kite      http://www.mathster.com/course/simgs/114528977316_4.png | [1]   |
| **7)** Find the area of the trapezium      http://www.mathster.com/course/simgs/114528977316_5.png | [1]   |

**Solutions for the assessment Basic Areas of 2D shapes**

|  |  |
| --- | --- |
| **1)** Kite,Rectangle,Rhombus,Trapezium,Square,Parallelogram | **2)** 4, 1, no4, 0, no4, 1, no |
| **3)** Area = 448  $cm^{2}$ | **4)** Area = 24  $cm^{2}$ |
| **5)** Area = 72  $cm^{2}$ | **6)** Area = 21  $cm^{2}$ |
| **7)** Area = 59.5  $cm^{2}$ |  |