

Maths Workout - Geometry & Measures

| Topic 1 - Measurement 1 | | | | |
|---|---|--|---|---|
| Target 1 | Target 2 | Target 3 | Target 4 | Target 5 |
| <i>Measure a distance using a slider and fixed scale</i> | <i>Measure a distance using a moveable ruler</i> | <i>Complete missing numbers along a linear scale</i> | <i>Read a linear scale using interpolation</i> | <i>Read a circular scale using interpolation</i> |
| 1. Use a vertical slider to measure the length of a line to the nearest millimetre | 1. Use a ruler to measure the length of a line to the nearest millimetre | 1. Complete missing numbers along a linear scale; whole numbers; scale progresses by 1 | 1. Read a horizontal linear scale; large intervals multiples of 10; 10 small divisions | 1. Read a static circular speedometer; large intervals multiples of 10; 10 small divisions |
| 2. Use a vertical slider to measure the length of an image to the nearest millimetre | 2. Use a ruler to measure the length of an image to the nearest millimetre | 2. Complete missing numbers along a linear scale; whole numbers; scale progresses by 2 | 2. Read a horizontal linear scale; large intervals multiples of 10; interpolation required - 5 small divisions | 2. Read a static circular speedometer; large intervals multiples of 10; interpolation required - 5 small divisions |
| 3. Use a vertical slider to measure the length of an image to the nearest millimetre | 3. Use a ruler to measure the length of an image to the nearest millimetre | 3. Complete missing numbers along a linear scale; whole numbers; scale progresses by 5 | 3. Read a horizontal linear scale; large intervals multiples of 100; 10 small divisions | 3. Read a circular dial; large intervals multiples of 1,10, 100,1000; 10 small divisions |
| 4. Use a horizontal slider to measure the height of an image to the nearest millimetre | 4. Use a ruler to measure the height and width of an image to the nearest millimetre | 4. Complete missing numbers along a linear scale; whole numbers; scale progresses by 4, 5 and 6 | 4. Read a horizontal linear scale; large intervals multiples of 100; interpolation required - 5 small divisions | 4. Read a circular dial; large intervals multiples of 1,10, 100,1000; interpolation required - 5 small divisions |
| 5. Use a horizontal slider to measure the height of an image to the nearest millimetre | 5. Use a ruler to measure the height and width of an image to the nearest millimetre | 5. Complete missing numbers along a linear scale; whole numbers; scale progresses by 7, 8 and 9 | 5. Read a horizontal linear scale; large intervals whole numbers; 10 small divisions | 5. Read a circular scale; large intervals multiples of 10; 10 small divisions |
| 5. Use a horizontal slider to measure the height of an image to the nearest millimetre; work out the average of 5 heights | 5. Use a ruler to measure the height and width of an image to the nearest millimetre; work out the average of 5 heights | 6. Complete missing numbers along a linear scale; decimals; 1dp; scale progresses by 0.1, 0.2 and 0.5 | 6. Read a horizontal linear scale; large intervals whole numbers; interpolation required - 5 small divisions | 6. Read a circular scale; large intervals multiples of 1; interpolation required; 5 small divisions Large intervals multiples of 100; 10 small divisions |
| | | 7. Complete missing numbers along a linear scale; decimals; 1dp; scale progresses by 0.3, 0.4 and 0.6 | 7. Read a vertical linear scale; varied large and small intervals; interpolation required | 7. Read a circular scale; large intervals multiples of 10; interpolation required; 5 small divisions |
| | | 8. Complete missing numbers along a linear scale; decimals; 2dp; scale progresses by 0.01, 0.02 and 0.05 | 8. Read a vertical linear scale; varied large and small intervals; interpolation required | 8. Read a circular scale; large intervals multiples of 1,100; interpolation required; 5 small divisions |
| | | 9. Complete missing numbers along a linear scale; decimals; 2dp; scale progresses by 0.01 to 0.09 | | 9. Read a circular scale; large intervals multiples of 0.1,0.01; interpolation required; 5 small divisions |
| | | | | 10. Read a circular scale; large intervals multiples of 0.001,0.001; interpolation required; 5 small divisions |