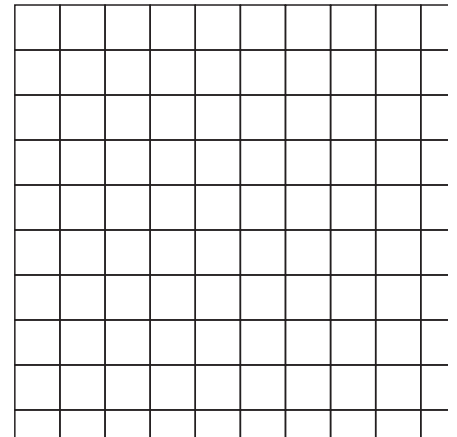


Lesson Plan

Equipment Needed:

- lots of items with a flat surface (e.g., drink coasters, books, boxes - mark which side)
- 30 cm rulers or tape measures
- square centimetre grid sheet as a transparency (if possible, print the printable sheet onto a transparency rather than paper—check that the printer does not resize the image before printing)
- printed sheet for recording data on measuring objects



Activity:


1. Choose a variety of objects to measure.
2. Students measure the length and width of each object.
3. Review measuring and area.
4. Students calculate the area of each object.
5. Have students compare their results.
6. Check for accuracy.



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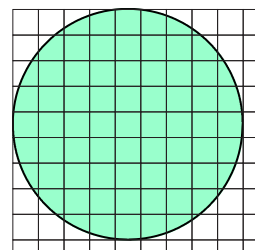
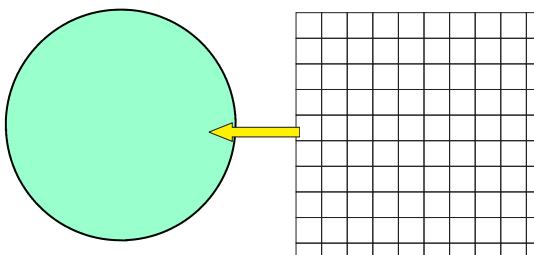
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Are there is
(cm²) for
measured
measuring

Finding area of an irregular shape:

Find areas of shapes other than rectangular shapes such as triangular or circular objects. This requires a lot more estimation.

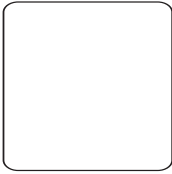

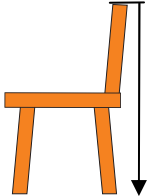



Tip: for measuring the area of a circle, count all the partial squares (no matter their size) and halve that number to find the additional squares and add that to the full squares. Explain to the students that this is a good way to estimate or approximate the area covered.



48 whole squares
28 part squares \approx 14 whole squares
Area = 48 + 14 = 62 squares

Activity:

- Draw the object's surface or length to be measured
- Measure each object using the appropriate tool
- Record the measure underneath, including the correct units
- Answer the questions about your results

			
<p>Area of dri</p>	 <p>This is a</p> <h2 style="color: red;">PREVIEW</h2> <p>Subscribe today for a whole year's access to ALL our worksheets and videos!</p>  <p>Already a subscriber? Log in to download the full version of this worksheet.</p>		<p>of a chair:</p>
<p>Length of p</p>	<p>_____</p>		<p>ok</p>
	<p>_____</p>	<p>_____</p>	
<p>Area of CD (ignore the hole)</p> <p>_____</p>	<p>Object: _____</p> <p>_____</p>	<p>Object: _____</p> <p>_____</p>	

Which object has the greatest area? _____

Which object is the shortest in length? _____



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