Activity 1 Assessment
Estimating Length
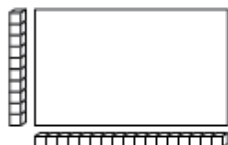
Measuring Length and Perimeter

Uses non-standard units to measure	Uses standard-sized items to measure	Uses benchmarks to estimate in standard units (m, cm)	Measures using standard units (m, cm)
"The rectangle is 5 paper clips long. Its perimeter is 16 paper clips."	"The rectangle is 17 centicubes long. Its perimeter is 54 centicubes."	"I used a big step as a referent for one metre. The classroom is about 7 big steps, or 7 m wide. Its perimeter is about 30 big steps, or 30 m."	"The perimeter is 28 cm."
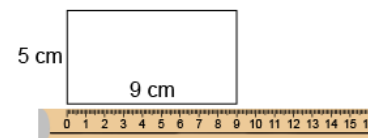
Observations/Documentation

Mathology 3
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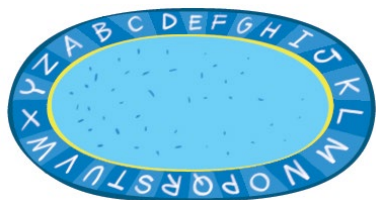
Activity 1 Assessment
Estimating Length

Measuring Length and Perimeter (con't)

Selects and uses appropriate standard units	Relates standard units of length (1 m = 100 cm)	Uses smaller units to give more accurate measures	Compares using standard units
"I would use m because mm and cm are too small. The length of string I wound around the edge is 10 m. So, the perimeter is 10 m.	3 m / 1 m "The door has a perimeter of 8 m. Since 1 m = 100 cm, 8 m = 800 cm."	"The pen is between 13 cm and 14 cm long. If I use mm, I can be more accurate: 137 mm."	6 cm / 6 cm / 30 cm / 5 cm / 16 cm "Rectangle: 5 + 16 + 5 + 16 = 42 cm Three-quarter circle: 6 + 6 + 30 = 42 cm The perimeters are the same."
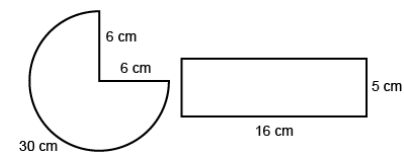
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