

Activity 1 Assessment

Estimating Length

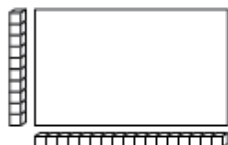
Measuring Length and Perimeter

Uses non-standard units to measure



"The rectangle is 5 paper clips long.
Its perimeter is 16 paper clips."

Uses standard-sized items to measure

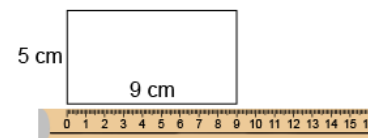


"The rectangle is 17 centicubes long.
Its perimeter is 54 centicubes."

Uses benchmarks to estimate in standard units (m, cm)

"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."

Measures using standard units (m, cm)



"The perimeter is 28 cm."

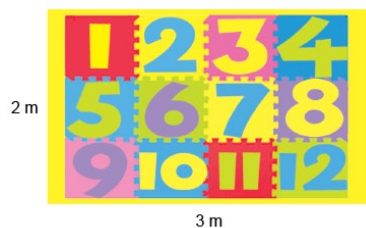
Observations/Documentation

Activity 1 Assessment

Estimating Length

Measuring Length and Perimeter (con't)

Selects and uses appropriate standard units



"I would use m because cm are too small. The perimeter is 10 m because $3 + 2 + 3 + 2 = 10$."

Relates standard units of length
(1 m = 100 cm)

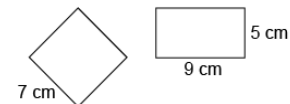


"The door has a perimeter of 8 m. Since 1 m = 100 cm, 8 m = 800 cm."

Uses smaller units to give more accurate measures

"The rug is between 2 m and 3 m long. If I use cm, I can be more accurate: 285 cm."

Compares using standard units



"Rectangle: $5 + 9 + 5 + 9 = 28$ cm
Square: $7 \times 4 = 28$ cm. The perimeters are the same."

Observations/Documentation