## Activity 4 Assessment

Relating the Perimeter and Area of Rectangles

| Measuring Area and Perimeter of | ngles |  |
| :---: | :---: | :---: |
| Recognizes that the perimeter of a rectangle is the distance around and area is the number of tiles that cover it. <br> "Perimeter of rectangle: $3+5+3+5=16$, 16 units; Area: $3 \times 5=15$, 15 square units." | Uses algebraic formulas to determine the perimeter and area of a rectangle. <br> "To determine the perimeter of a rectangle, I use the formula $P=2 b+2 h$ and to determine the area, I use the formula $A=b \times h$. <br> For a rectangle with $b=6 \mathrm{~m}$ and $h=3 \mathrm{~m}$ : Perimeter: $2 \times 6 \mathrm{~m}+2 \times 3 \mathrm{~m}=18 \mathrm{~m}$ Area: $6 \mathrm{~m} \times 3 \mathrm{~m}=18 \mathrm{~m}^{2}$." | Compares the perimeters and areas of rectangles. <br> "Both rectangles have a perimeter of 18 cm : <br> $2 \times 4+2 \times 5=18 ; 2 \times 6+2 \times 3=18$. <br> The rectangles have different areas: <br> $4 \mathrm{~cm} \times 5 \mathrm{~cm}=20 \mathrm{~cm}^{2}$ and $6 \mathrm{~cm} \times 3 \mathrm{~cm}=18 \mathrm{~cm}^{2}$. . |
| Observations/Documentation |  |  |
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