## Activity 2 Assessment

## Determining Area of Composite Shapes

| Measuring Area of Parallelograms an | riangles |  |
| :---: | :---: | :---: |
| Determines the area of a rectangle. <br> "A rectangle is an array of squares. To find the area, I multiply the number of rows by the number of columns or use the formula $A=b \times h$. <br> This rectangle has area $5 \mathrm{~cm} \times 3 \mathrm{~cm}=15 \mathrm{~cm}^{2} . "$ | Partitions and rearranges a parallelogram to form a rectangle with the same base and height. <br> "I partitioned the parallelogram and moved the triangle to create a rectangle. <br> I then found the area of the rectangle: $A=b \times h=12 \mathrm{~cm} \times 3 \mathrm{~cm}=36 \mathrm{~cm}^{2} .$ <br> The area of the parallelogram is also $36 \mathrm{~cm}^{2}$." | Doubles a triangle to create a parallelogram (area of triangle is one-half that of parallelogram). <br> "I rotated the triangle to make a parallelogram with the same base and height. <br> The area of the triangle is one-half the area of the parallelogram. <br> Area of parallelogram: $15 \mathrm{~cm} \times 4 \mathrm{~cm}=60 \mathrm{~cm}^{2}$ <br> Area of triangle: $60 \mathrm{~cm}^{2} \div 2=30 \mathrm{~cm}^{2}$ <br> So, the formula for the area of a triangle is: $A=b \times h \div 2 . "$ |
| Observations/Documentation |  |  |
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