Mathematics

Translation, Reflection and Rotation Notes

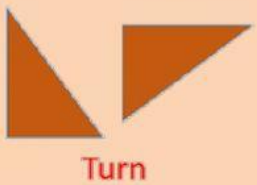
Instructions: Write these notes neatly in your Mathematics notebook. Show them to me to earn your Class Dojo Points.

Remember:
A slide is called a translation
A flip is called a reflection.
A turn is called a rotation.

- When you move a figure in a straight line in any direction, you **translate** it to a new position. The figure stays the same size and does not turn in any way, it stays facing the same direction as its original figure.

- When you flip a figure over a line you **reflect** it. A figure and its reflection have the same shape and size, but the figure faces in opposite directions.

- When you turn a figure around a fixed centre point, you **rotate** it. The figure remains the same shape and size but faces a different direction as it turns. When a figure has made a full rotation, it faces the same way as the original. The rotation can be clockwise or anti-clockwise.



- Two figures are congruent when they have exactly the same shape and size. If you put the two figures in top of each other, they will match exactly.

- When a figure is translated, reflected or rotated, it still has the same shape and size as the original, so it will be congruent with the original figure.

- Two figures that are not congruent or the same, are incongruent.

I am done writing my notes: