

Name: _____

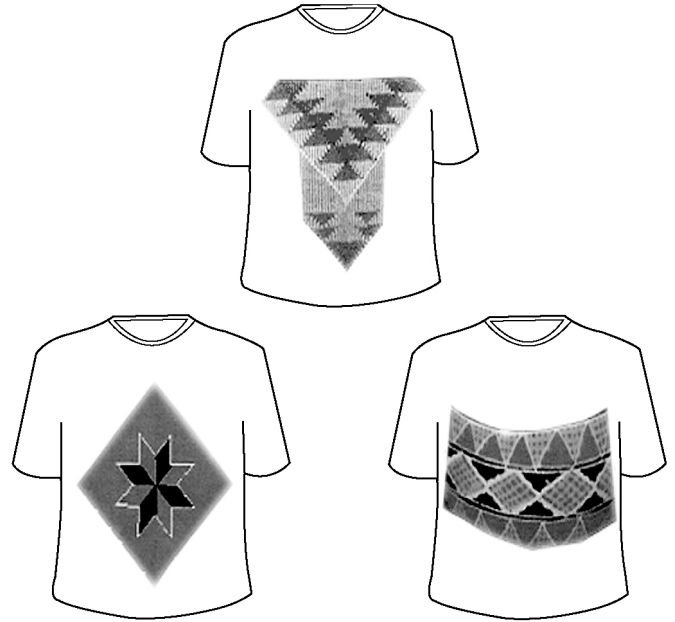
Date: _____

T-Shirts by Design

Materials

- ruler
- paint, coloured pencils, and/or markers
- calculator

You be the designer! Create a line of T-shirts that will make triangles and parallelograms the latest trend. Each T-shirt will be hand-painted on the front with a unique design. A T-shirt manufacturer will produce 5000 of each of your designs to be sold across Canada.



a) Draw three T-shirt designs.

- Use triangles, parallelograms, or a combination of the two shapes to design the front of each T-shirt. Include shapes with different sizes, heights, and bases.
- Colour your designs using paint, coloured pencils, or other materials.
- Make each T-shirt unique.

b) The T-shirt manufacturer wants to know how much paint will be needed to produce these designs. To find out, the manufacturer needs to know the areas of the painted portions.

- For each design, calculate the total area to be painted.
- Determine the total area for 5000 T-shirts of each design.

Show your work.