TOOTHPICK CHALLENGE-1
(PROBLEM SOLVING)

Use nine toothpicks to make this shape:

Use this shape with each set of directions to make six different shapes!! Record your shapes below:

(a) Remove two toothpicks to get three triangles.

(b) Remove two toothpicks leaving two triangles.

(c) Remove three toothpicks leaving one triangle.

(d) Remove three toothpicks leaving two triangles.

(e) Remove six toothpicks leaving one triangle.
TOOTHPICK CHALLENGE-1 - ANSWER SHEET (PROBLEM SOLVING)

Use nine toothpicks to make this shape:

Use this shape with each set of directions to make six different shapes!! Record your shapes below:

(a) Remove two toothpicks to get three triangles.

(b) Remove two toothpicks leaving two triangles.

(c) Remove three toothpicks leaving one triangle.

(d) Remove three toothpicks leaving two triangles.

(e) Remove six toothpicks leaving one triangle.
TOOTHPICK CHALLENGE-2
(PROBLEM SOLVING)

Use twelve toothpicks to make this shape:

Use this shape with each set of directions to make six different shapes!! Record your shapes below:

(a) Remove two toothpicks to leave three squares.

(b) Remove two toothpicks to leave two squares.

(c) Remove one toothpick to leave three squares.

(d) Remove four toothpicks to leave one square.

(e) Remove four toothpicks to leave two squares.
TOOTHPICK CHALLENGE-2 - ANSWER SHEET
(PROBLEM SOLVING)

Use twelve toothpicks to make this shape:

Use this shape with each set of directions to make six different shapes!! Record your shapes below:

(a) Remove two toothpicks to leave three squares.

(b) Remove two toothpicks to leave two squares.

(c) Remove one toothpick to leave three squares.

(d) Remove four toothpicks to leave one square.

(e) Remove four toothpicks to leave two squares.