

Congruence Group Work

Task:

You need to produce a list of instructions so that anyone following them will construct exactly the same triangle.

You will need:

Protractor, compass, ruler, scissors, glue, pencil

Steps:

Each person in the group is to:

1. Construct a triangle on the next page, without showing your group.
2. Write down the steps that you did as clearly as you can.

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As a Group take turns to:

3. Read your instructions to your group.
4. The other students in the group must follow the instructions and then draw your triangle on the coloured page.
5. Cut out the triangles and check if they are congruent.
6. Evaluate your instructions.
7. If the triangles are not congruent, change the instructions to make them clearer and repeat steps 3, 4 and 5.
8. Paste the final triangles from your group on the following page.
9. What was the minimum number of sides or angles that your friends needed to know, to construct your triangle? Discuss with your group. Write them down.

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Repeat for each person in your group.

Your triangle:

Paste triangles here: