

Butterfly Wing Angles Project: Design Requirements

Your task is to design a butterfly wing that showcases your understanding of complementary and supplementary angles. Follow these steps carefully:

1. **Select or Create your Butterfly Outline:** Either select one of the outlines provided by your teacher, or, on your paper, draw the outline of one butterfly wing. It can be a simple triangle or a more complex shape, but make sure it's large enough to work with.
2. **Draw Angles:** Inside your butterfly wing, draw two or more angles. You will need to create at least one pair of angles that are either complementary or supplementary.
3. **Measure Your Angles:** Use your protractor to carefully measure each angle you have drawn. Record the measurements clearly next to the angles.
4. **Identify Angle Relationships:**
 - Find two angles within your design that add up to 90 degrees. These are **complementary angles**. Clearly label them and show your calculation (e.g., Angle A + Angle B = 90°).
 - Find two angles within your design that add up to 180 degrees. These are **supplementary angles**. Clearly label them and show your calculation (e.g., Angle C + Angle D = 180°).
 - You can have more than one pair of complementary or supplementary angles if you like!
5. **Color and Decorate:** Make your butterfly wing visually appealing! Use colored pencils, markers, or other art supplies to decorate your wing.
6. **Label and Explain:** Clearly label all the angles you created. Write a brief explanation next to each pair of complementary and supplementary angles, explaining why they fit that category (show your computations!).

Remember: Accuracy in measurement and clear explanations are key to a successful project! Have fun designing your butterfly wing!

