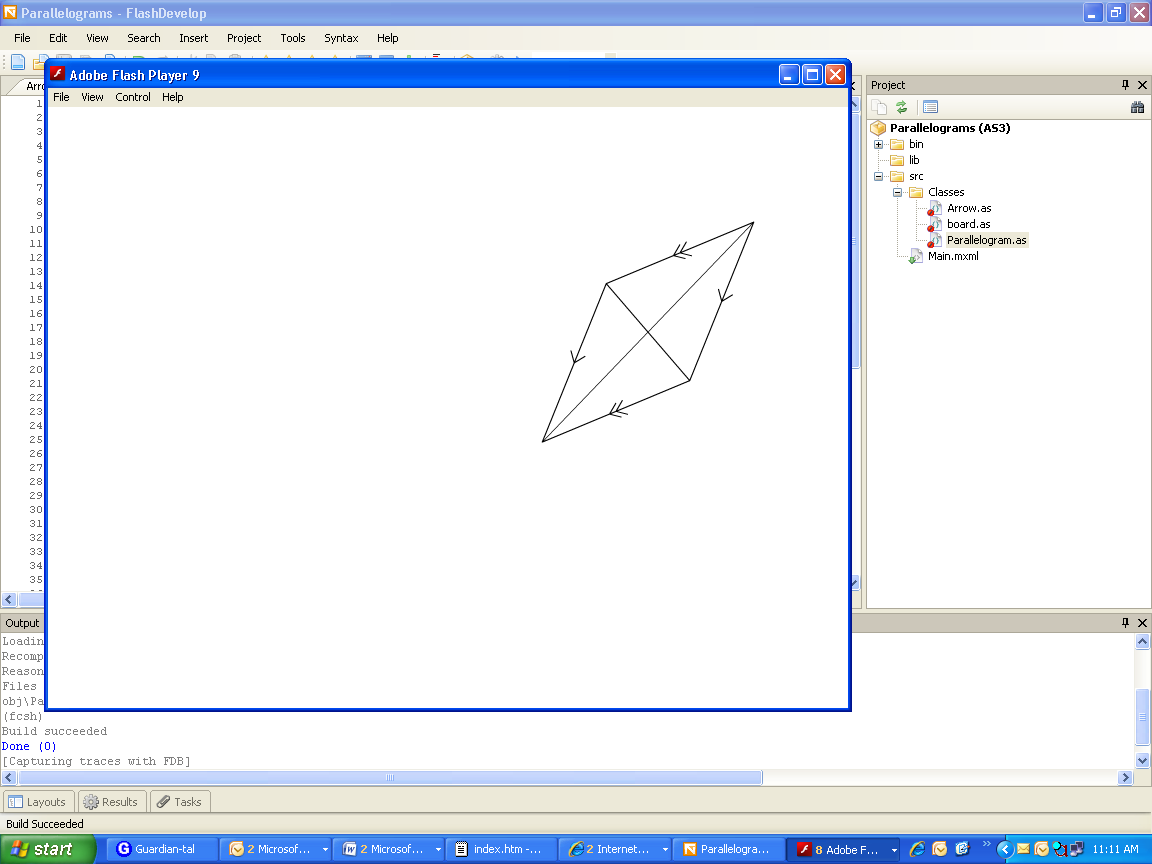
**Parallelogram peculiarities game**

The game involves the following diagrams. Instructions are below.

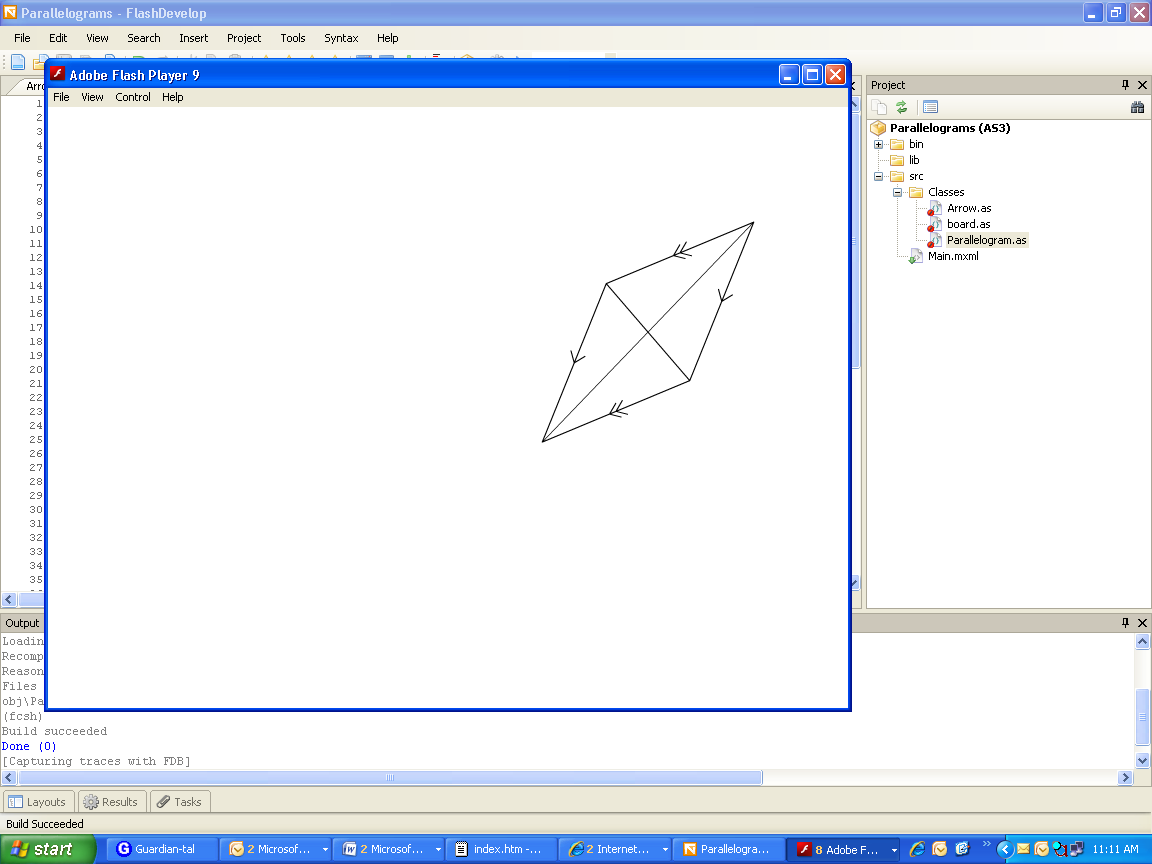
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Instructions:

* Find a partner and choose a Player A and a Player A
* Player A writes a value of an angle or length on the first diagram. For example, Player A could add the value of one of the angles.



**25⁰**

* Player B then marks in any other angles or lengths that they can find.

**25⁰**

**25⁰**

* Player B should also state the geometric reason. In the example above, the reason would be ‘alternate angles in parallel lines’.
* Take turns being Player A and Player B for the remaining diagrams.
* Here is a variation of this game. Cut out and shuffle the geometric reasons below and place them face down on the table. Before Player A adds information to a diagram, he or she draws one or two of the geometric reasons, but without showing it/them to Player B. Player A then needs to add information to the diagram that will allow Player A to use the reason(s) they have drawn.

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| Opposite sides of a parallelogram |
| Opposite angles of a parallelogram |
| Co-interior angles in parallel lines |
| Vertically opposite angles |
| The diagonals of a parallelogram bisect each other |
| Straight angle |