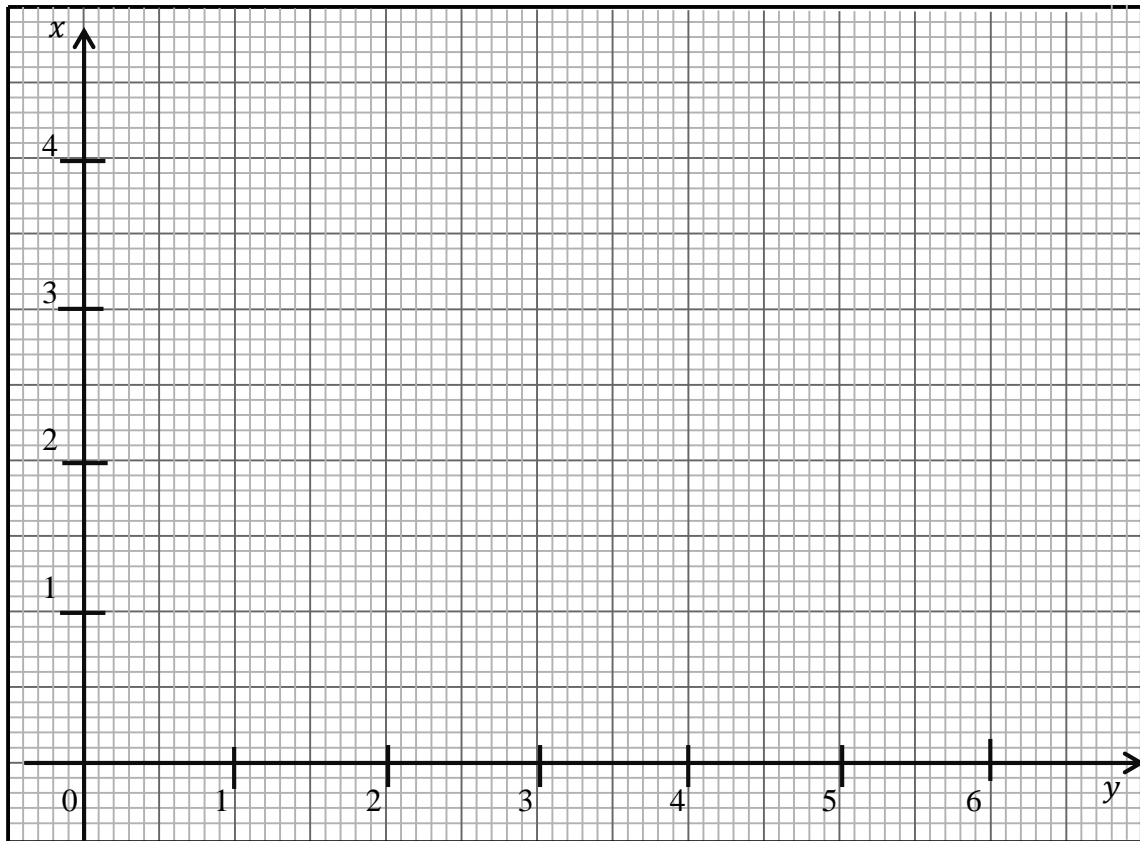


In this activity students will draw a parallelogram and use it to determine congruence of opposite sides. Students will work in groups of at least three and the students in the respective groups will be equipped with a grid, a ruler, a protractor and a pencil.

1. Draw a parallelogram at points $A(1,1)$, $B(4,1)$, $C(5,3)$ and $D(2,3)$ and draw a diagonal to the parallelogram joining points B and D.



2. Using a protractor, measure $\angle ADB$.

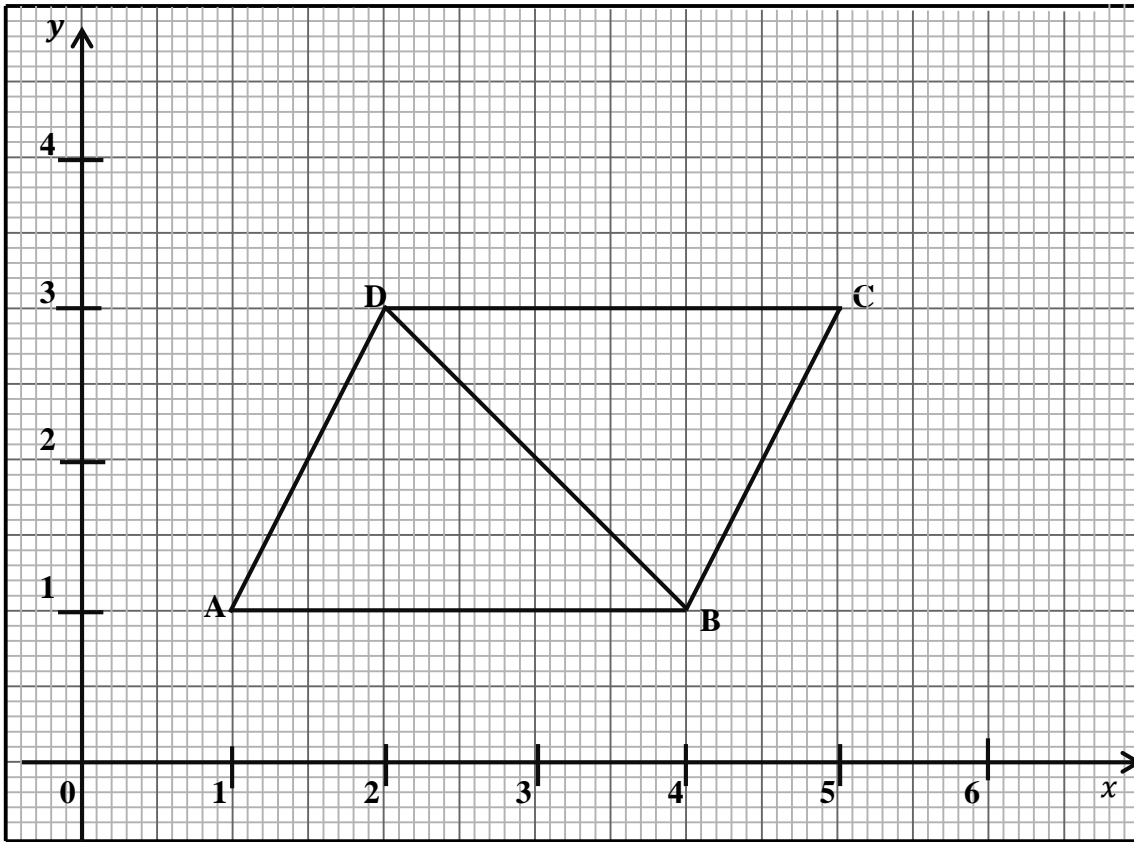
7. State which side in $\triangle BDC$ corresponds to side AB in $\triangle ABD$?

8. State which side in $\triangle BDC$ corresponds to side AD in $\triangle ABD$?

Answer Keys

Day 111:

1.



2. Same response for all students.

3. Same angle as the one above

Yes

4. Same response for all students.

5. Same angle as the one above

Yes

6. A.SA Postulate

7. CD

8. AD