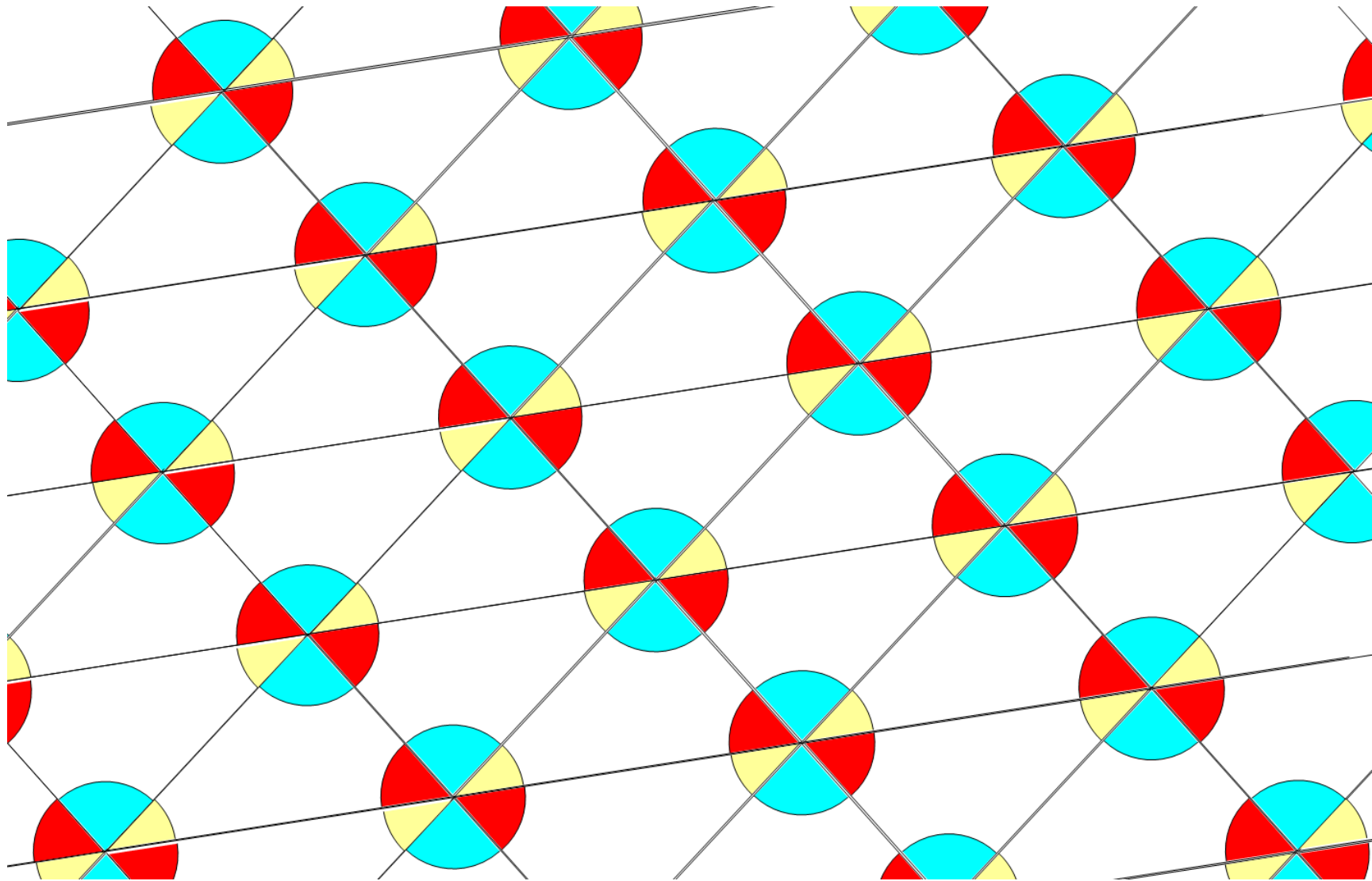


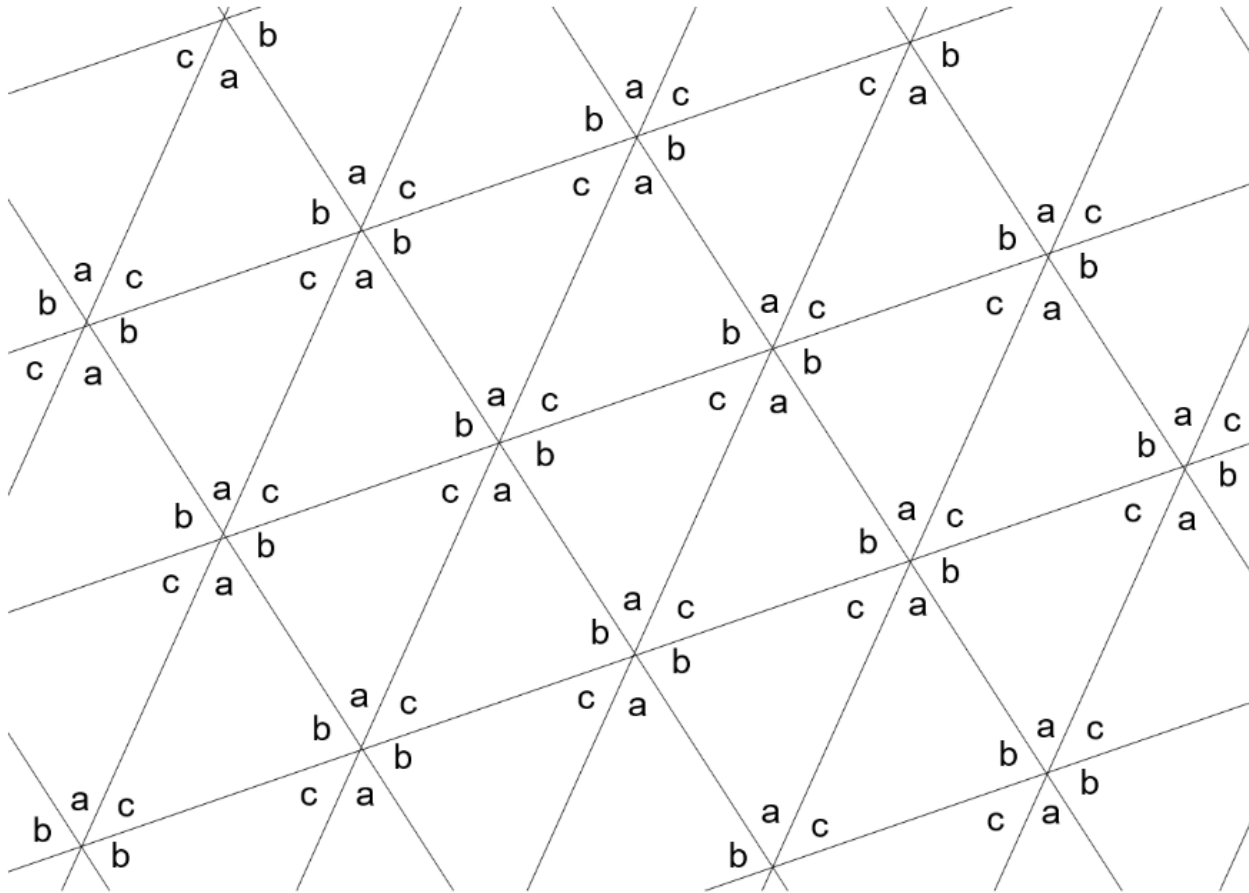
## Saws and Ladders

Which geometry facts does the following diagram illustrate?



## Saws and Ladders

Circle each geometry fact on the right that is demonstrated on the diagram below.



Angles in a straight line add to  $180^\circ$ .

Vertically opposite angles are equal.

Angles at a point add to  $360^\circ$ .

Angles in a triangle add to  $180^\circ$ .

All angles in an equilateral triangle are  $60^\circ$ .

The base angles in an isosceles triangle are equal.

The exterior angle of a triangle is equal to the sum of the two opposite interior angles.

Angles in a quadrilateral add to  $360^\circ$ .

Opposite angles of a parallelogram are equal.

If two parallel lines are cut by a transversal, the corresponding angles are equal

If two parallel lines are cut by a transversal, the alternate angles are equal

If two parallel lines are cut by a transversal, the co-interior angles are supplementary.