Lines and Angles

Draw, spot, and name them

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What could this be?

I run side by side and never meet. What am I?



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DID YOU KNOW?

A right angle gets its own tiny square mark.

That square means exactly 90 degrees, like a book corner.

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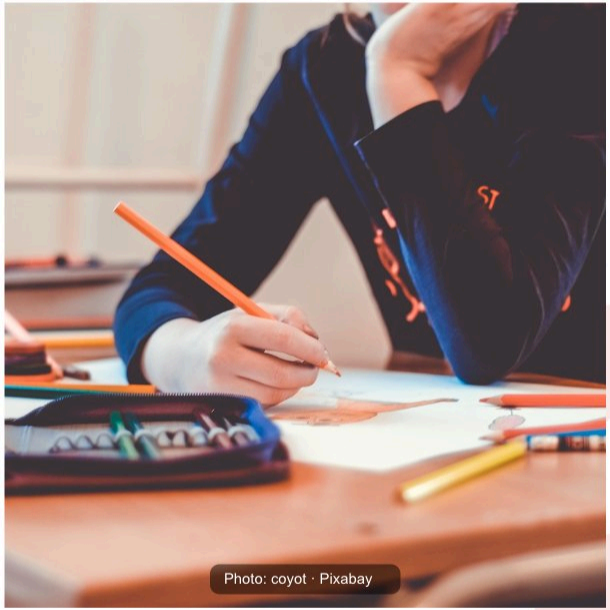
How to Draw Them

1. Make a dot. That is a point.
2. Join two dots. That is a line segment.
3. Start at a dot, go one way. That is a ray.
4. Go both ways with arrows. That is a line.

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Think, pair, share

How is a ray different from a line segment?



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Lines, Rays, and Angles



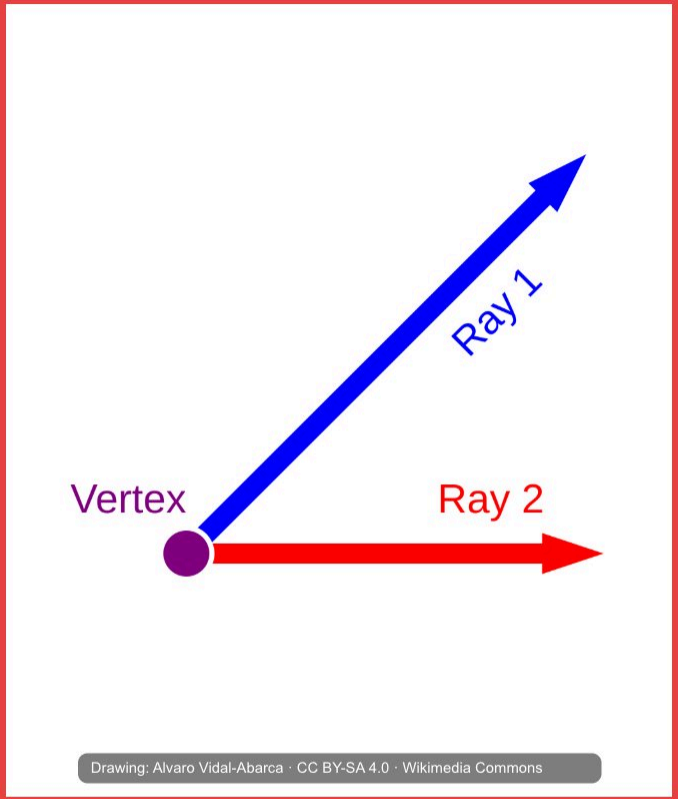
▶ 0:00 – 2:36

- Listen for point, line, segment, and ray
- Watch how two rays meet to make angles

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BIG IDEA

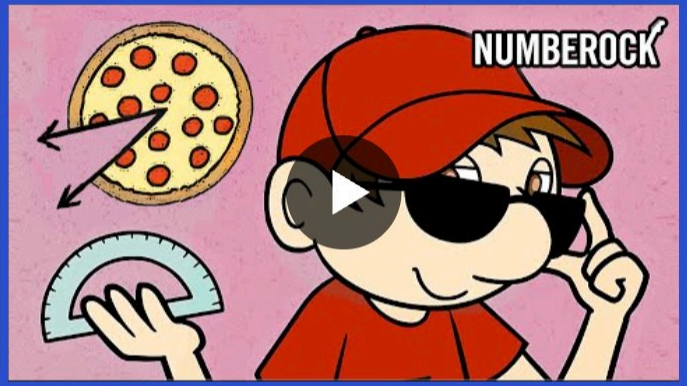
An angle is two rays sharing one starting point, the vertex.



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Angle Song Time



▶ 0:00 – 1:44

- Clap for acute when you hear small angle
- Make an L with fingers for right angle

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Your task

In pairs, draw and label a mini town with required lines and angles.

1. Draw a triangle and rectangle with a ruler.
2. Add one ray and one set of parallel lines.
3. Mark acute, right, and obtuse angles in color.
4. Trade papers and name each part together.

10 min

In pairs

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Parallel vs Perpendicular

Parallel Lines

- Stay same distance apart
- Never cross, even if longer
- Show with matching arrow marks

Perpendicular Lines

- Cross to make a square corner
- Make four right angles
- Show corner with small square

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Where Are Right Angles?

Where will we find the most right angles?

A. Windows and doors

B. Books and desks

C. Floor tiles

Vote with your hands, then explain why.

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True or false?

A line segment has two endpoints.

All crossing lines are perpendicular.

An obtuse angle is wider than a right angle.

A ray goes forever in both directions.

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