

40 Weeks of Math Challenges

Week 39



These visual math challenges have been created to intrigue and inspire your children. They are designed to be hands on, open-ended inquiries, to challenge them to think deeply about the world around them.

Each week a new set will be released with four levels.

- Preschool
- Years 1/2 (approx. age 6-8)
- Year 3/4 (approx ages 8-10)
- Year 5/6 (approx. ages 10-12)

I hope you enjoy exploring the ideas with your children! The challenges don't require any special resources, however your children will need a 'Math Journal' to record their discoveries. Any notebook will work, but if you can, try to encourage them to use a Grid book.

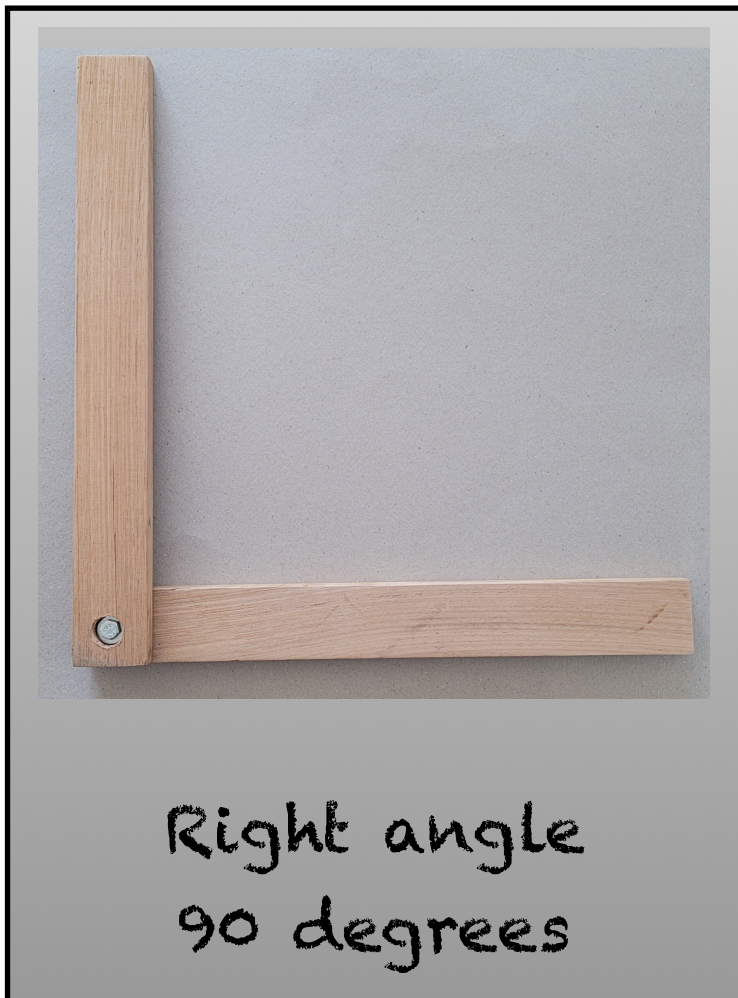
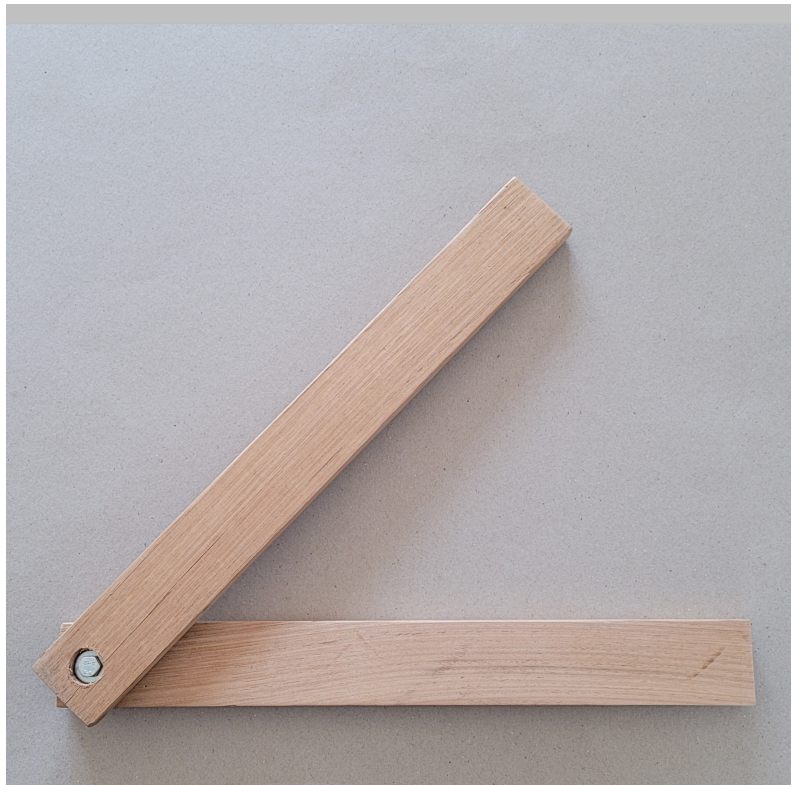
You are welcome to freely print these cards for your family but please respect our creative copyright and link back to the original file on our web page to share with others. Thanks, Jo

Angles

Definition:

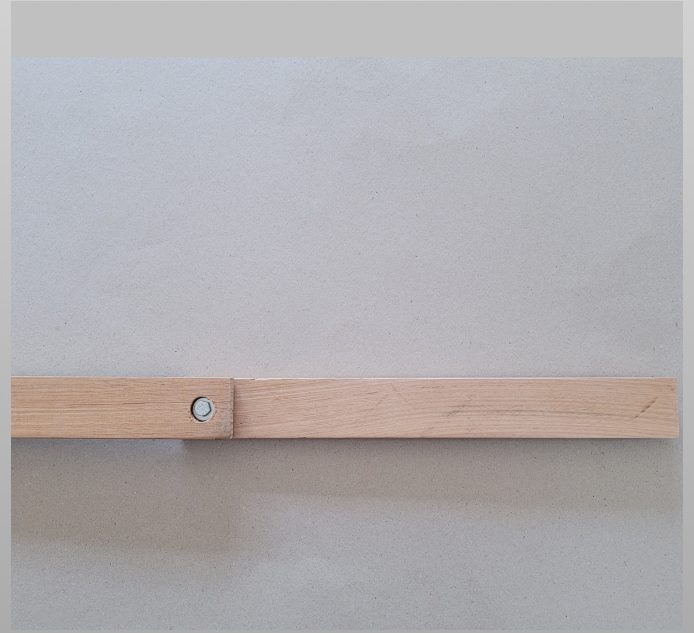
Are formed when two lines end at a point. The amount of turn between the lines is the angle.

1. Take a look outside, can you find angles in the tree branches?
2. Use the cards to learn the different kinds of angles.
3. Write about what you have discovered in your math journal.
4. Make an angle finder like the one in the picture. We hinged two pieces of timber, but you could also make one from cardboard.

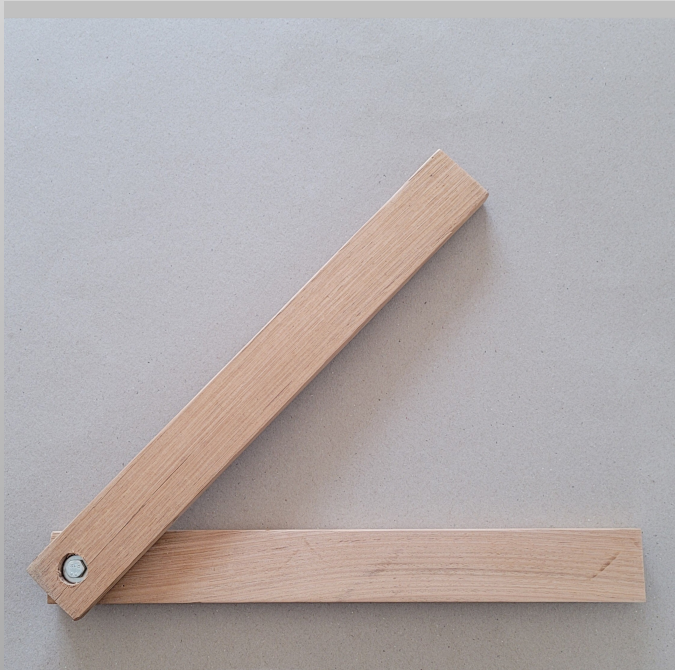




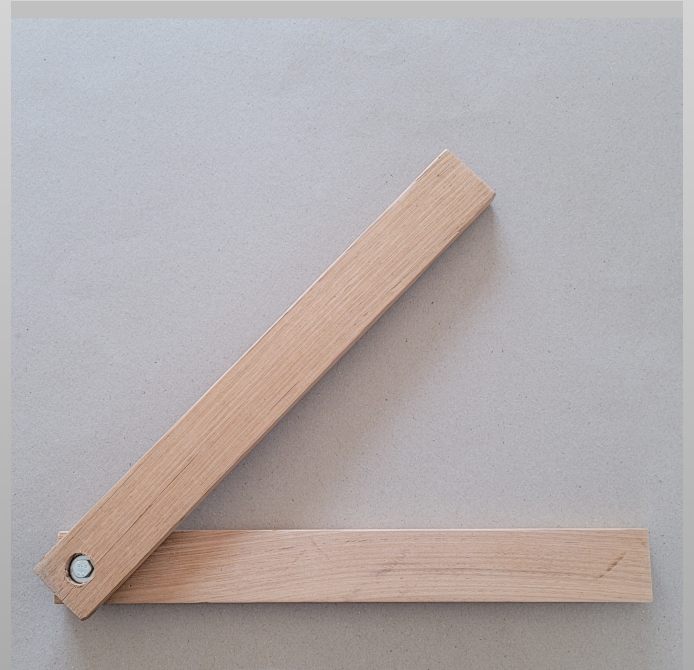
Straight angle
180 degrees



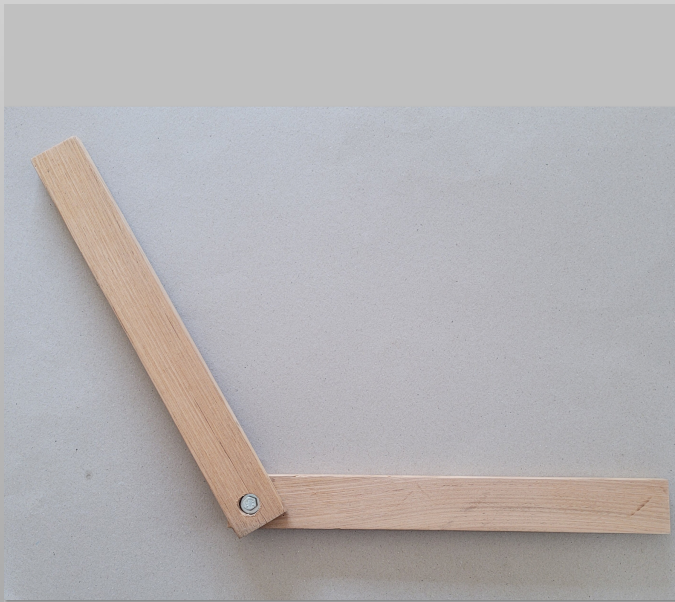
Straight angle
90 degrees



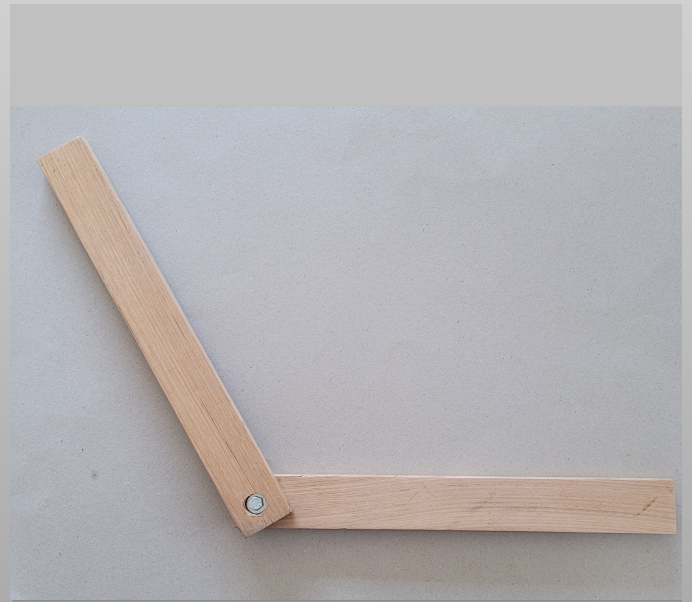
Acute angle
Less than 90 degrees



Acute angle
Less than 90 degrees



Obtuse angle
Greater than 90 degrees



Obtuse angle
Greater than 90 degrees



Reflex angle
Greater than 180
degrees



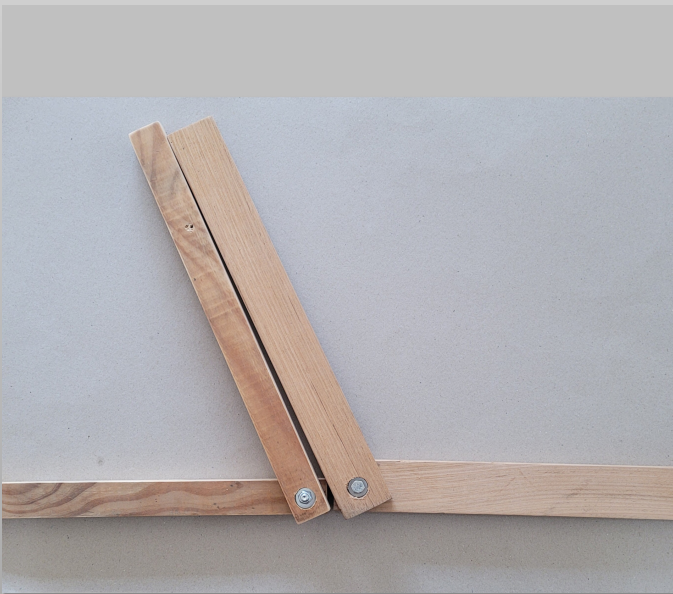
Reflex angle
Greater than 180
degrees



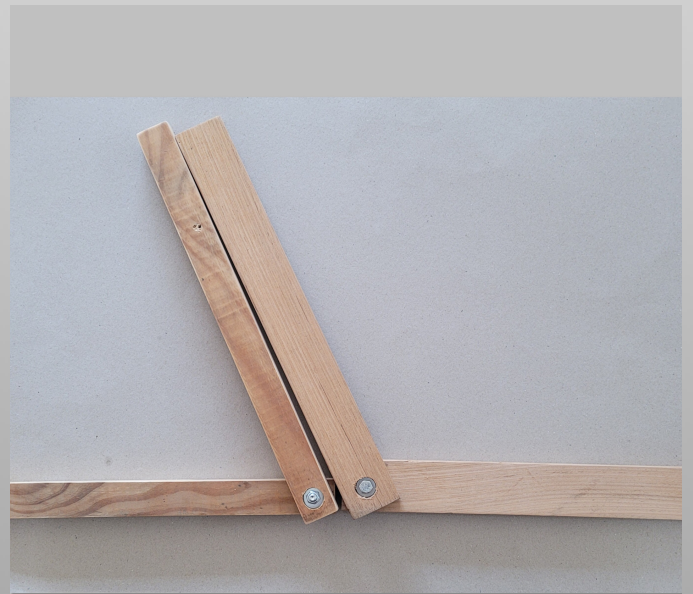
Complementary angles
Add to 90 degrees



Complementary angles
Add to 90 degrees



Supplementary angles
Add to 180 degrees



Supplementary angles
Add to 180 degrees

