Year 4 Maths 02.06.20
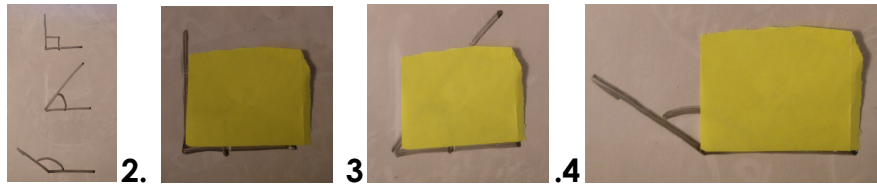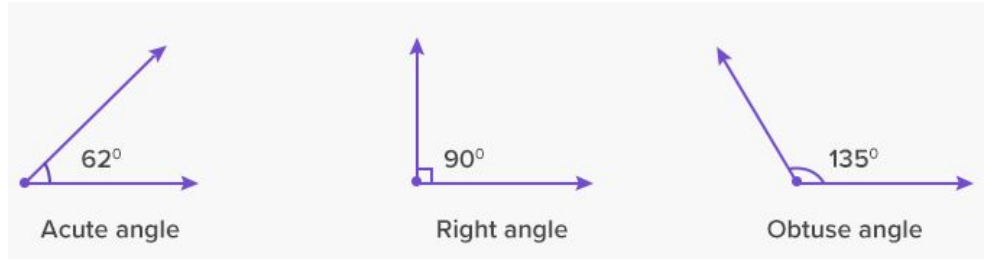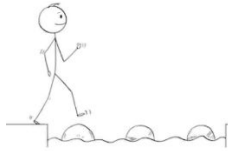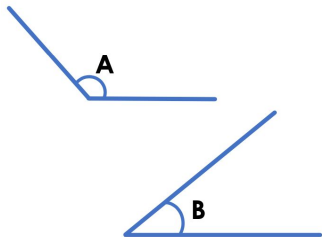Steppingstone activity
LO: To identify angles
Success Criteria:

1. Look at your fraction. Measure with an angle square
2. If it's 90 degrees, it's a right angle
3. If it's less 90 degrees, it's an acute angle
4. If it's more 90 degrees, it's an obtuse angle

Model

62^0
Acute angle

90^0
Right angle

135^0
Obtuse angle

1. 2. 3. .4.

Which angle is largest?

A

B

A

Which angle is smallest?

B

A

A

Put these angles from smallest to largest

B

A

C

B, A, C

Put these angles from smallest to largest

B

A

C

A, B, C

Year 4 Maths
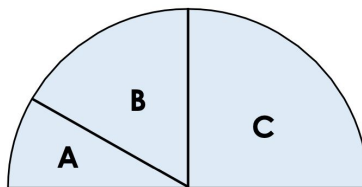
Lesson 02.06.20

LO: To identify angles

Success Criteria:

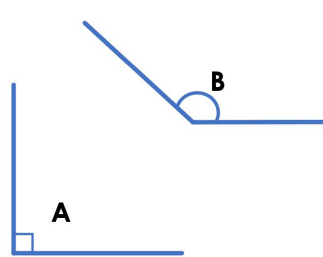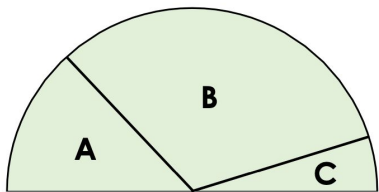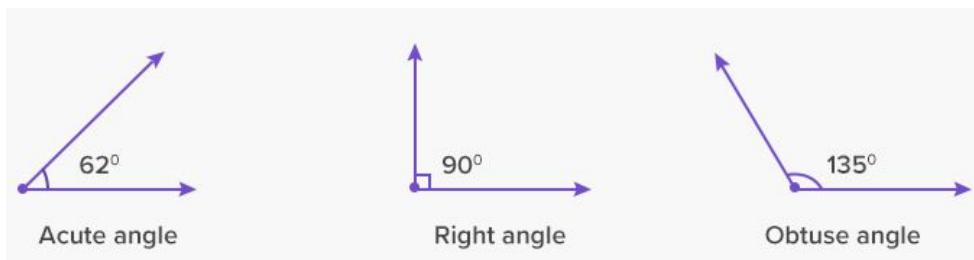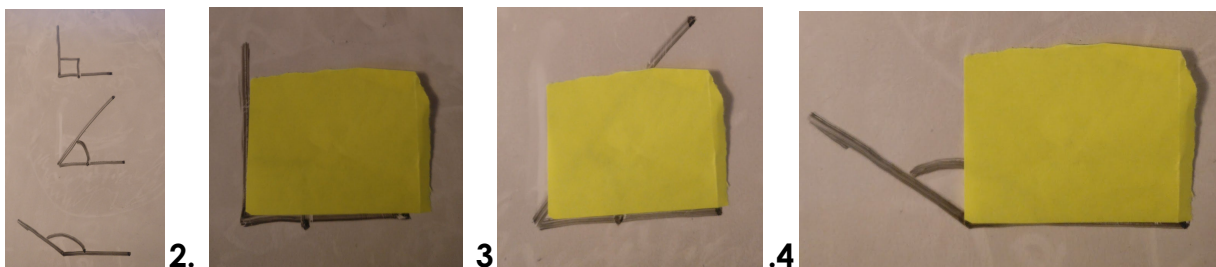| |
|---|
| 5. Look at your fraction. Measure with an angle square |
| 6. If it's 90 degrees, it's a right angle |
| 7. If it's less 90 degrees, it's an acute angle |
| 8. If it's more 90 degrees, it's an obtuse angle |

Model

  2.   3   .4   .

62°   90°   135°

Acute angle   Right angle   Obtuse angle

Year 4 Maths Main activity
Complete at least 2 columns, more if you can!

Task 1	Task 2

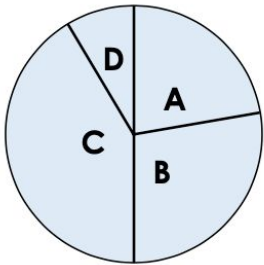**Task 1**

Practice: Which angle is smallest?
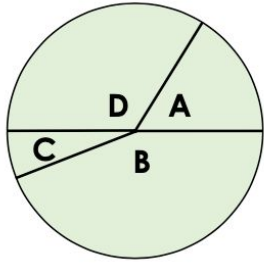
1. Smallest?   **A**   2.   Largest   **C**
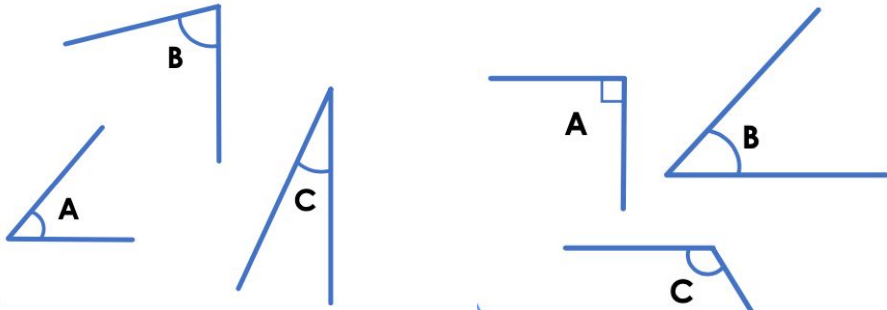
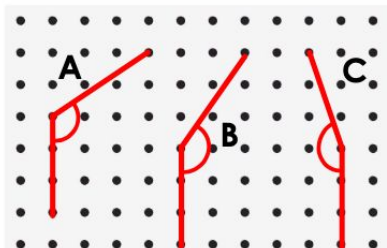3. Put these angles in order from smallest to largest?

D, A, B, C   **C, A, D, B**

4.True or false? Angle A is smaller than angle B, which is larger than angle C.
False (Angle A is smaller than angle B, which is smaller than angle C).
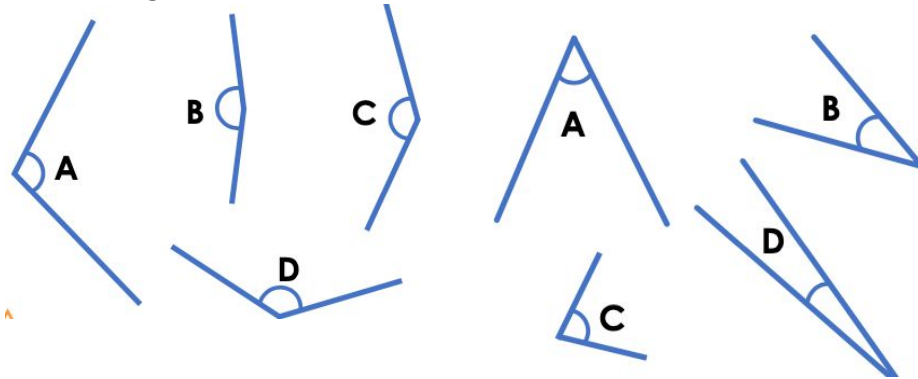

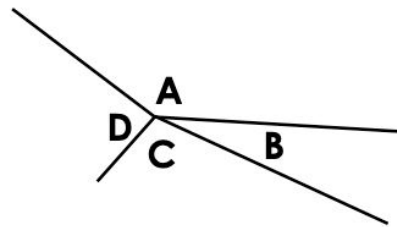**Task 2**

Practice: Which angle is smallest?
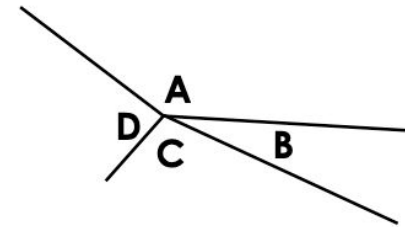
1. Largest?   **B**   2.   Smallest   **D**

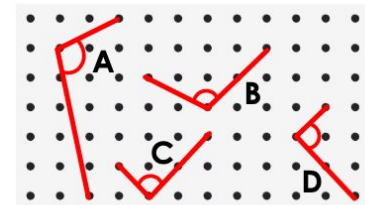3. Put these angles in order from largest to smallest?

A, C, D, B   **A, C, D, B**

4.True or false? Angles A and B are the same size. They are larger than angle C but smaller than angle D.
False (Angle B is larger than Angle A. They are both larger than angles C and D).

Task 3

Reasoning

Explain your answers.

5a. Sol is discussing angles.

I have 3 angles. One angle is acute, one is a right angle and the other is 170°. I think that the right angle is the smallest angle.

Sol

Is Sol correct? Explain your answer.

5a. **Sol is incorrect because an acute angle is smaller than a right angle.**

8b. Hal is discussing angles.

I have 4 angles. One is obtuse, one is 90°, one is acute and one is 25°. The 90° angle must be the 2nd largest angle.

Hal

Is Hal correct? Explain your answer.

8b. **Hal is correct. The obtuse angle is the largest and the acute and 25° angles are less than 90°.**

Task 4

Problem solving

1. Explore what would happen to the angles in the shape if you moved the rubber band from point G to point H.
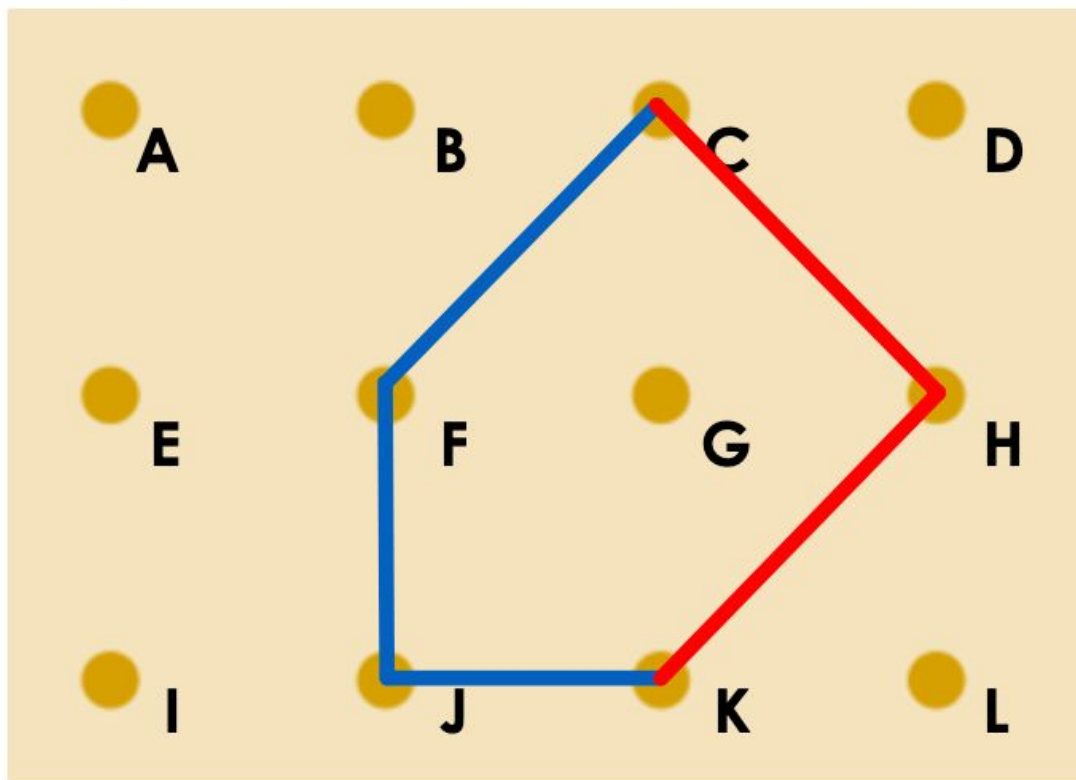
What angles have you created?

The band around point C and H creates right angles.

The band around point K is an obtuse angle.

Explore other angles by moving the band.

Accept answers which create different acute, right or obtuse angles.