

# Homework/Extension

## Step 1: Identify Angles

### National Curriculum Objectives:

Mathematics Year 4: (4G4) [Identify acute and obtuse angles and compare and order angles up to two right angles by size](#)

### Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

**Developing** Draw a line from each angle to the correct angle type. All angles presented with a horizontal base line and facing one direction. Angle tester used as pictorial support.

**Expected** Draw a line from each angle to the correct angle type. Most angles presented with a horizontal base line, facing any direction. Angle tester used as pictorial support in some questions.

**Greater Depth** Draw a line from each angle to correct angle type. Angles presented on any plane and facing any direction. No use of angle tester for pictorial support.

Questions 2, 5 and 8 (Varied Fluency)

**Developing** Draw angles on a given line to match the label. All angles presented with a horizontal base line and facing one direction. Angle tester used as pictorial support.

**Expected** Draw angles on a given line to match the label. Most angles presented with a horizontal base line, facing any direction. Angle tester used as pictorial support in some questions.

**Greater Depth** Draw angles on a given line to match the label. Angles presented on any plane and facing any direction. No use of angle tester for pictorial support.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

**Developing** Explain if a given statement is correct or not. All angles presented with a horizontal base line and facing one direction. Angle tester used as pictorial support.

**Expected** Explain if a given statement is correct or not. Most angles presented with a horizontal base line, facing any direction. Angle tester used as pictorial support in some questions.

**Greater Depth** Explain if a given statement is correct or not. Angles presented on any plane and facing any direction. No use of angle tester for pictorial support.

More [Year 4 Properties of Shape](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

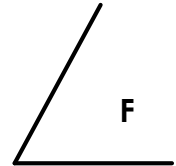
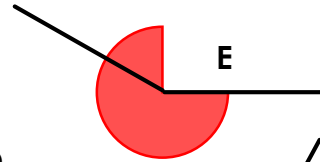
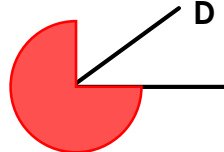
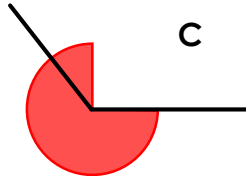
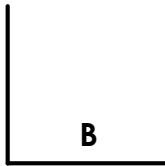
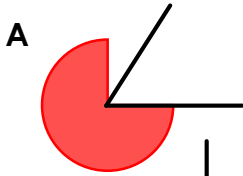
# Identify Angles

1. Draw a line from each angle to the box it belongs to.

acute angles

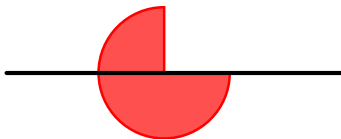
right angles

obtuse angles

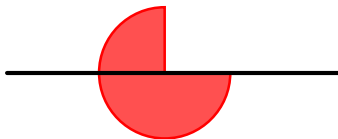


VF  
HW/Ext

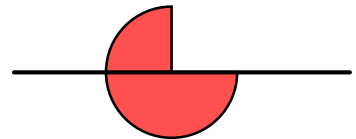
2. Draw a line to create an angle that will match the given labels.



right angle



acute angle



obtuse angle



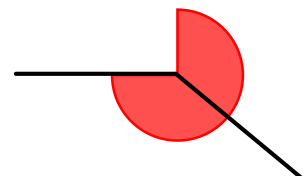
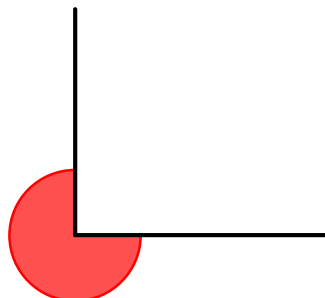
VF  
HW/Ext

3. Fatma says:



I know the right angle size is bigger than the obtuse angle because the lines are longer.

Do you agree?



RPS  
HW/Ext

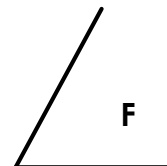
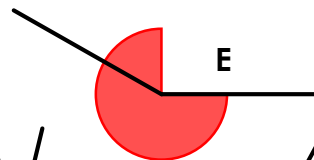
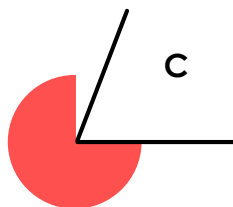
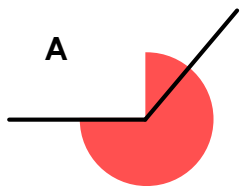
# Identify Angles

4. Draw a line from each angle to the box it belongs to.

acute angles

right angles

obtuse angles



VF  
HW/Ext

5. Draw a line to create an angle that will match the given labels.



right angle

acute angle

obtuse angle



VF  
HW/Ext

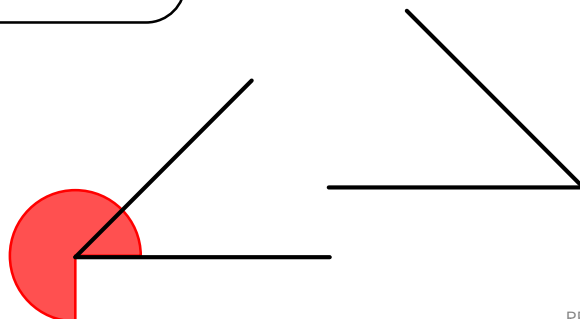
6. Ben says:



All acute angles are  $45^\circ$ .

Do you agree?

Draw your own angles to support your answer.



RPS  
HW/Ext

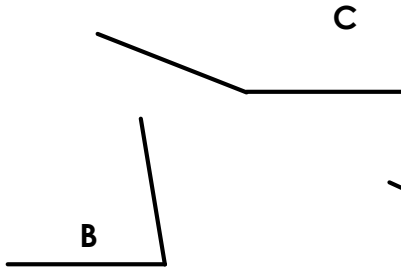
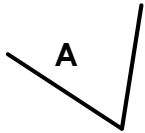
# Identify Angles

9. Draw a line from each angle to the box it belongs to.

acute angles

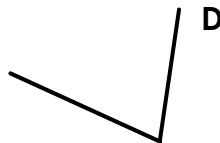
right angles

obtuse angles

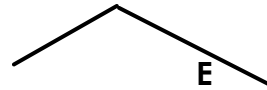


B

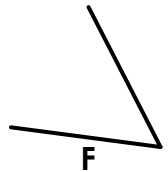
C



D



E

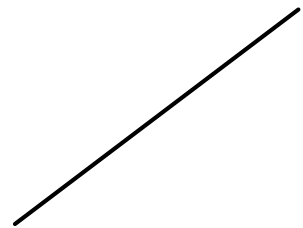
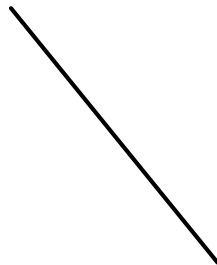


F



VF  
HW/Ext

8. Draw a line to create an angle that will match the given labels.



right angle

acute angle

obtuse angle

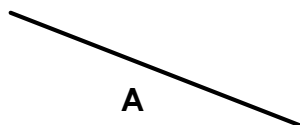


VF  
HW/Ext

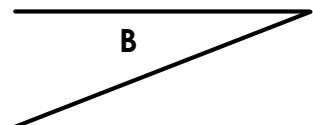
9. Evie says:



Angle A is different to angle B because it is facing in a different direction.



A



B

Do you agree?

Draw your own angles to support your answer.



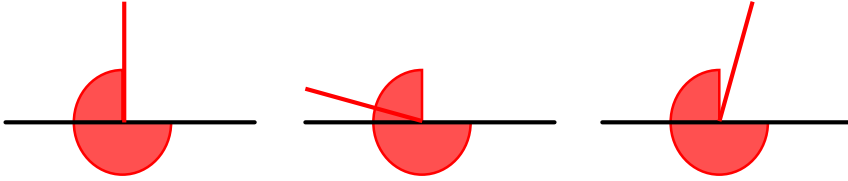
RPS  
HW/Ext

## Homework/Extension

### Identify Angles

#### Developing

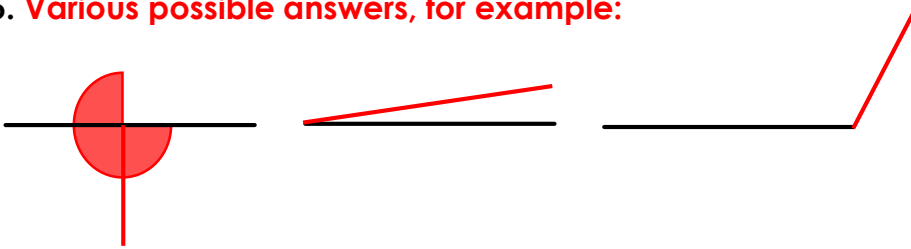
1. Acute angles – A, D, F; right angles – B; obtuse angles – C, E
2. Various possible answers, for example:



3. Fatma is incorrect. The obtuse angle size is bigger. The length of the lines are irrelevant.

#### Expected

4. Acute angles – C, F; right angles – B; obtuse angles – A, D, E
5. Various possible answers, for example:

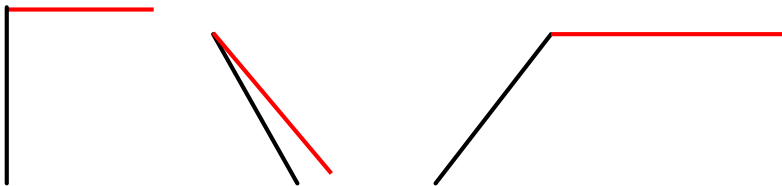


6. Ben is incorrect. Acute angles are any angles that are less than  $90^\circ$ . Children to draw any acute angle to support their answer. For example:



#### Greater Depth

7. Acute angles – A, B, D, F; obtuse angles – C, E
8. Various possible answers, for example:



9. Evie is incorrect because angle A and angle B are the same. The size of the angle does not change if it is presented using a different direction. Children to draw two angles that are the same size in a different directions. For example:

