

Lesson Printables

Be a rockstar and only
print what you need!



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Let's identify angles

Why learn this?

Learning how to identify angles is an essential skill that helps students prove their understanding of the difference between different types of angles. This skill can be applied to many real life situations in architecture, geometry, engineering, etc.

How do you identify angles?

Types of angles

An angle is the measure of the amount of turn between two lines/rays. There are 6 types of angles. Being able to identify each type of angle can help students when measuring.

- Acute angle: measures less than 90° .
- Right angle: measures exactly 90° .
- Obtuse angle: measures between 90° and 180° .
- Straight angle: measures exactly 180° .
- Reflex angle: measures between 180° and 360° .
- Full rotation: measures 360° .

Using a piece of paper to identify angles

- Use a sticky note or the corner of a piece of paper.
- Line up the bottom of the paper with one of the rays of the angle. The corner of the paper should meet the vertex (point where two lines meet) of the angle.
- If the other ray of the angle lines up perfectly with the corner of the paper, it is a right angle.
- If the other ray is 'less than' the paper (or covers the whole angle), it is an acute angle.
- If the other ray goes 'beyond' the paper (or you can still see some of the angle), it is an obtuse angle.

Let's warm up!

Starter Activity - What are the Chances?

Students are shown different scenarios. They are also shown dogs that have probability related words on them like 'certain, even chance, never, unlikely', etc. Can students identify which scenario connects to each dog's probability word?

To support, students could:

- Be asked guiding questions:
 - What do you think certain means? Is there any scenario that could match your definition?
 - What do you know about the sides of a dice? Which dog word could connect to your thinking?

To challenge, students could:

- Create their own scenarios to match the dogs' words.

Let's do this!

Main Activity - Students are given 6 angles to identify. Using the corner of a piece of paper to identify angles on the computer screen will be very difficult. For this reason, we suggest using the printable versions of all activities. You could also draw your own angles for students to identify. We have also provided an extension game called Angle Snap in the printables. This game can be used to further consolidate students understanding of how to identify all 6 types of angles. Please see the rules in the printables for more details.

To support, students could:

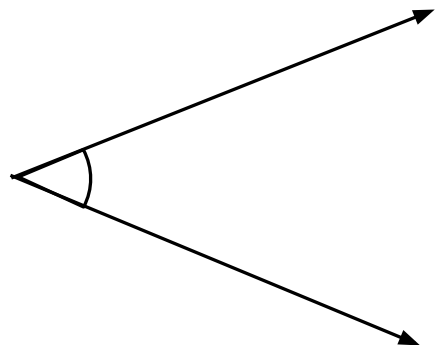
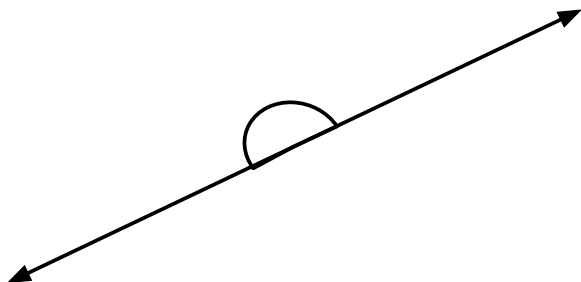
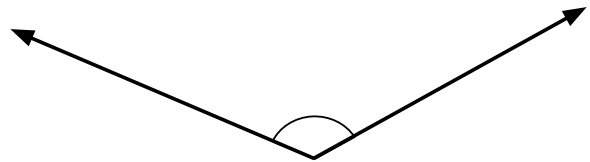
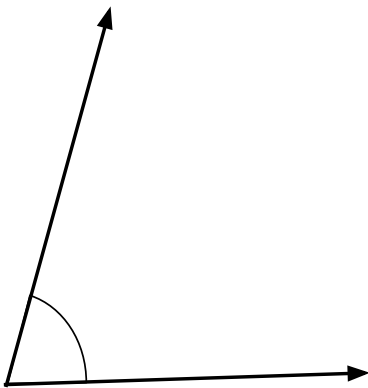
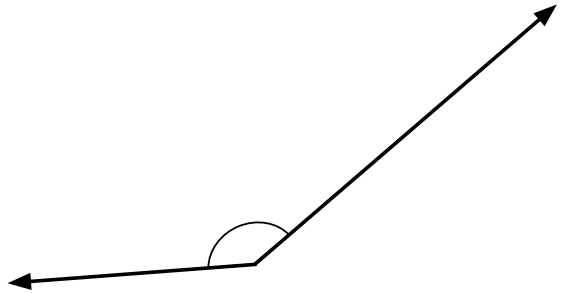
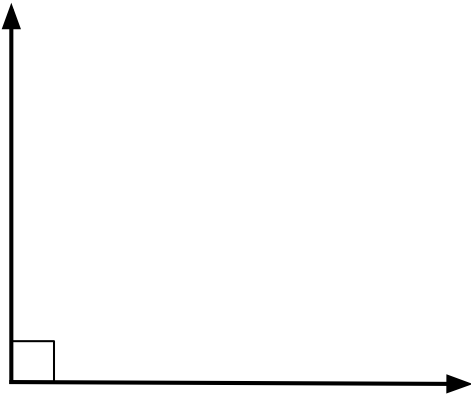
- Focus on just identifying acute, right and obtuse angles. See Sunlight Zone.
- Ask an adult to help them extend the lines in each angle in order to make measuring easier.

To challenge, students could:

- Play Angle Snap.

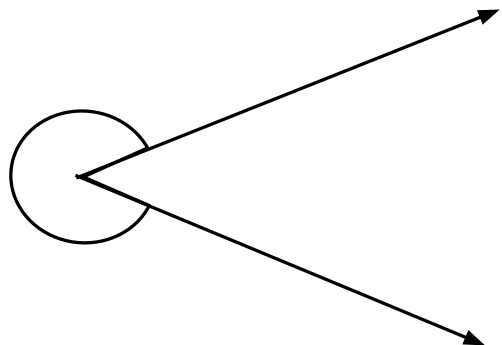
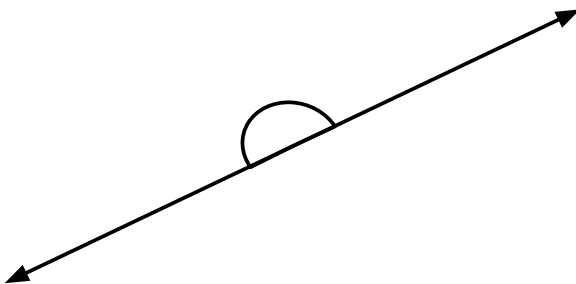
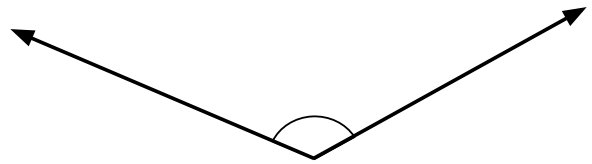
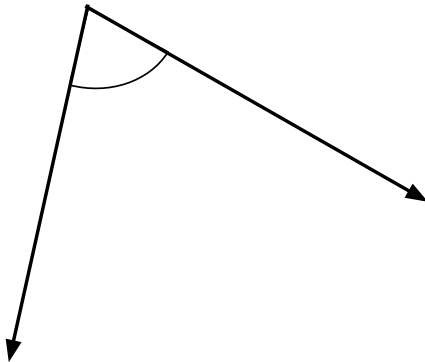
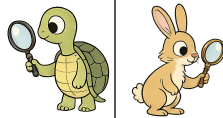
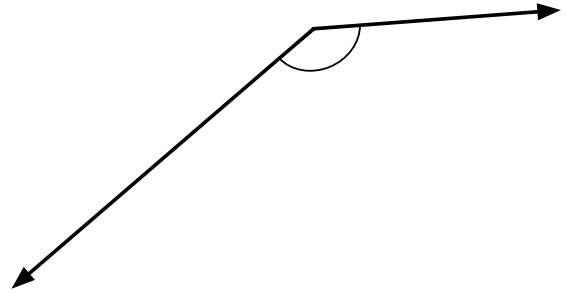
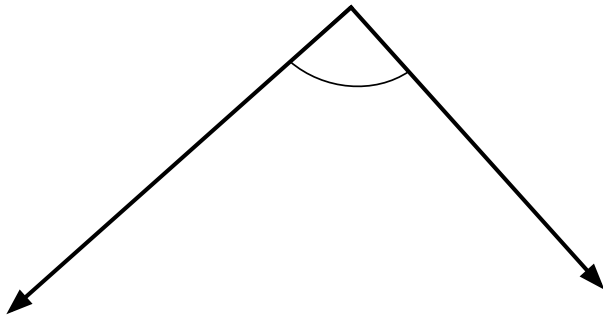
Sunlight Zone

Identify the name of each animal's angle.



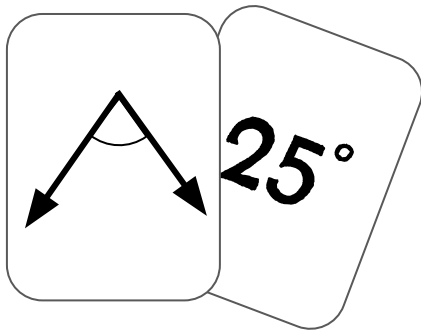
Twilight/Midnight Zone

Identify the name of each animal's angle.

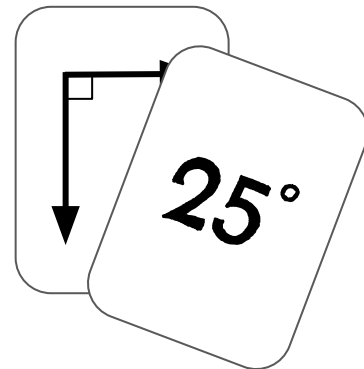


Angle Snap Rules

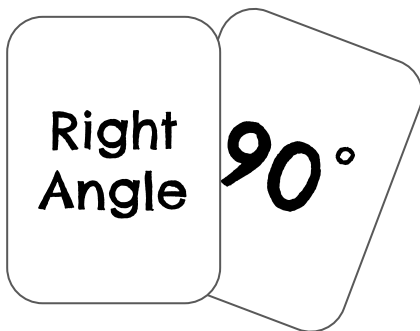
1. Print all of the game cards double sided.
→ Cut them out.
2. Shuffle the cards.
3. Deal out the cards between all of the players.
→ Players should not look at their cards.
4. Player 1 flips over a card and places it in the middle of the game.
5. Player 2 flips over a card and places it on top of Player 1's card.
6. Is it a match?
→ Yes: Anyone can snap! The player who snaps first gets to keep the cards in the pile.
◆ For example, 1° and the words 'acute angle' or a picture of an acute angle are a match because they are all acute angles.
→ No: The next player puts down their card.
7. The player with the most cards when time is called is the winner.



Match because both cards are examples of acute angles.



Not a match because one card is a right angle and the other is an example of an acute angle.



Match because both cards refer to right angles.



Angle Snap Game Cards

Print the game cards double-sided.

Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap Game Cards

Print the game cards double-sided.

**Right
Angle**

**Acute
Angle**

**Obtuse
Angle**

**Right
Angle**

**Obtuse
Angle**

**Acute
Angle**

**Right
Angle**

**Acute
Angle**

**Obtuse
Angle**

**Right
Angle**

**Acute
Angle**

**Obtuse
Angle**

Angle Snap Game Cards

Print the game cards double-sided.

Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap Game Cards

Print the game cards double-sided.

**Straight
Angle**

**Reflex
Angle**

**Reflex
Angle**

**Full
Rotation**

**Full
Rotation**

**Straight
Angle**

**Straight
Angle**

**Reflex
Angle**

**Reflex
Angle**

**Full
Rotation**

**Full
Rotation**

**Straight
Angle**

Angle Snap Game Cards

Print the game cards double-sided.

Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!

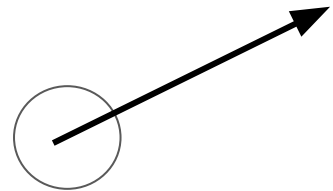
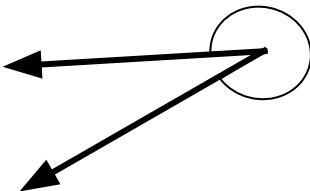
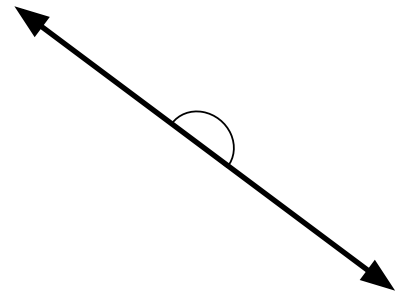
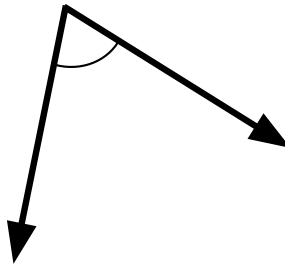
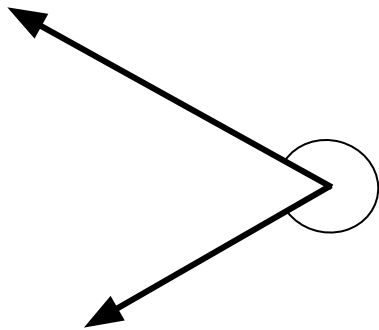
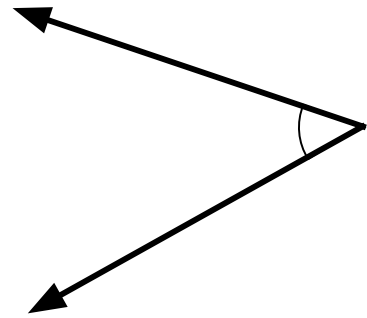
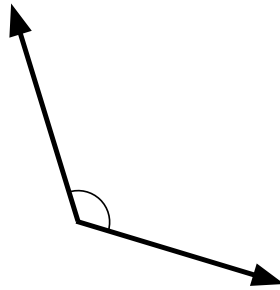
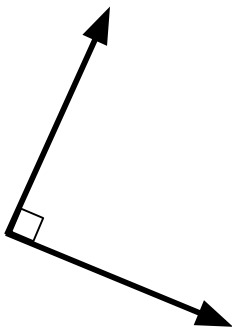
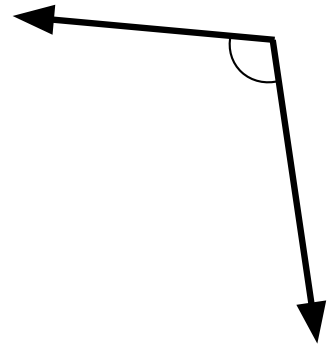
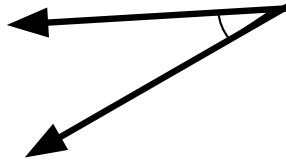
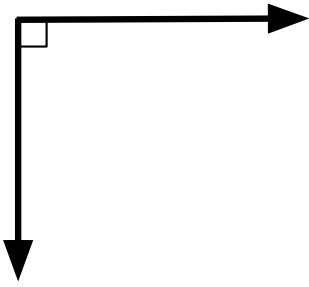


Angle Snap!



Angle Snap Game Cards

Print the game cards double-sided.



Angle Snap Game Cards

Print the game cards double-sided.

Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!

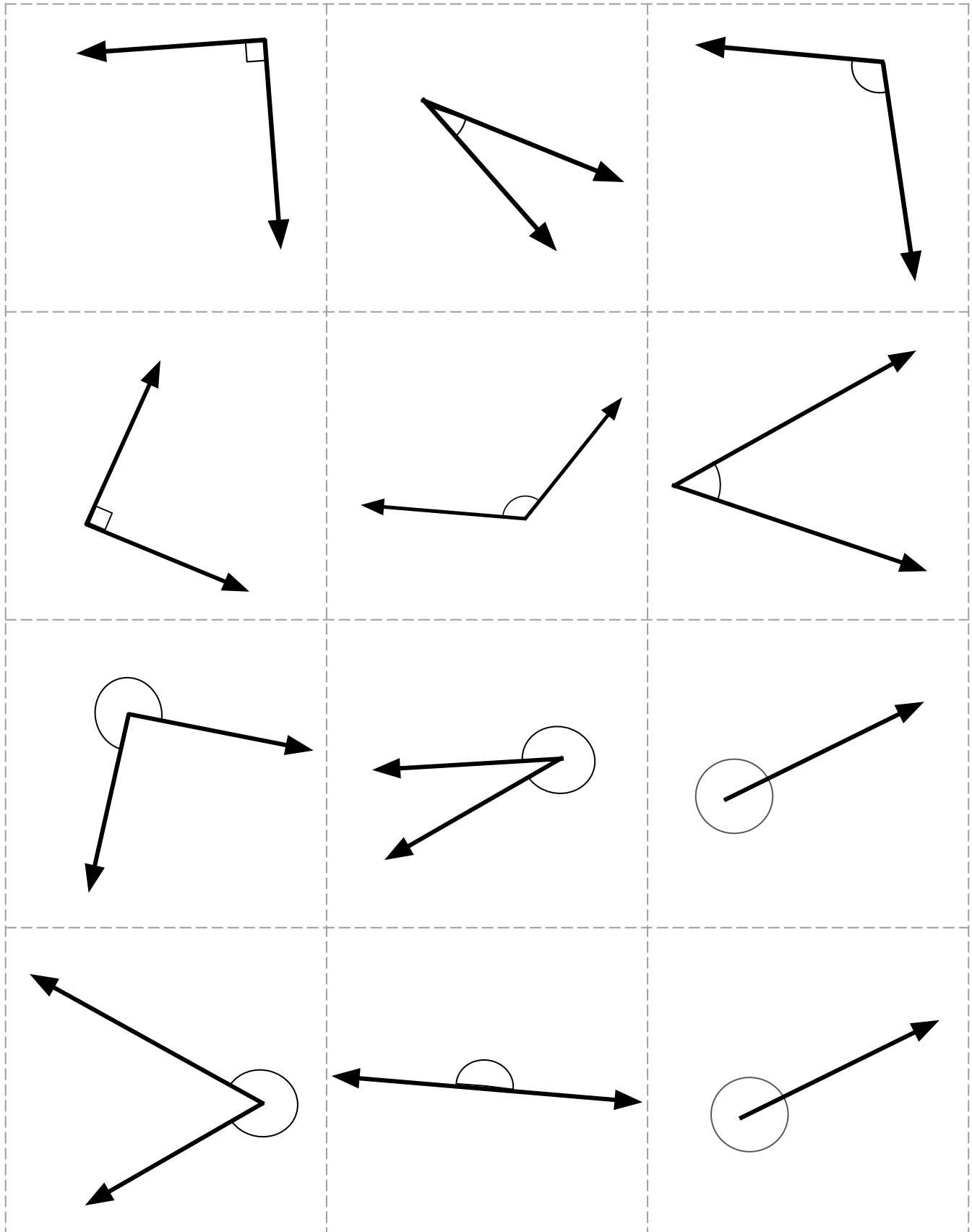


Angle Snap!



Angle Snap Game Cards

Print the game cards double-sided.



Angle Snap Game Cards

Print the game cards double-sided.

Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap Game Cards

Print the game cards double-sided.

90°

12°

175°

90°

99°

73°

210°

49°

125°

360°

299°

180°

Angle Snap Game Cards

Print the game cards double-sided.

Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap!



Angle Snap Game Cards

Print the game cards double-sided.

90°

45°

300°

140°

90°

20°

200°

180°

25°

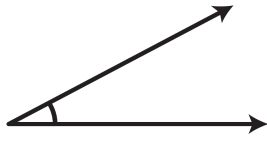
360°

5°

95°

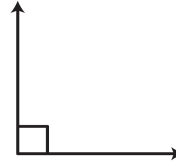
Types of Angles

Acute Angle



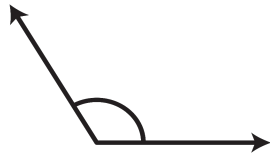
Less than 90°

Right Angle



90°

Obtuse Angle



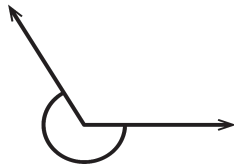
Between
 90° and 180°

Straight Angle



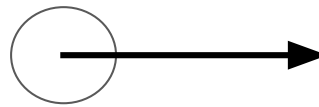
180°

Reflex Angle



Between
 180° and 360°

Full Rotation



360°

Answers

Sunlight Answers	
Turtle	right angle
Rabbit	obtuse angle
Rox	acute angle
Hedgehog	obtuse angle
Squirrel	straight angle
Duck	acute angle

Twilight/Midnight Answers	
Turtle	right angle
Rabbit	obtuse angle
Rox	acute angle
Hedgehog	obtuse angle
Squirrel	straight angle
Duck	reflex angle