

# Fairy Tale Angle Adventures: Help Storybook Heroes Master Magical Angles

Math

Grade 4

Fairy Tales Theme

Join your favorite Fairy Tales characters on magical quests where you'll need to measure and calculate angles to help them succeed!

NAME \_\_\_\_\_

DATE \_\_\_\_\_

SCORE \_\_\_\_\_ / 8

1

Cinderella is preparing her gown for the royal ball and needs to cut fabric at precise angles. She cuts two pieces of fabric that form a right angle where they meet. How many degrees is a right angle?

  
  

2

The Big Bad Wolf is chasing Little Red Riding Hood through the forest. She runs in one direction, then turns and runs in the opposite direction (a straight line). What is the total angle of a straight line that she creates with her path?

  
  

3

Snow White is arranging seven chairs around a circular campfire for her dwarf friends. If she places them in a complete circle, how many total degrees does the circle contain?

  
  

4

Rapunzel is painting a corner of her tower room where two walls meet at a right angle. She then paints another right angle corner on the opposite side of the room. What is the total number of degrees she painted?

  
  

5

Jack the Giant Slayer is climbing down his magical beanstalk. He looks down at an angle of 45 degrees from the horizontal. His friend looks down at an angle of 45 degrees as well. What is the sum of both angles?

  
  

6

Goldilocks is rearranging the Three Bears' furniture. She turns a chair at a right angle (90 degrees) four times in a row until it faces the same direction it started. How many total degrees did she turn the chair?

7

The Pied Piper is playing his flute while walking through town. He turns left at a right angle, then continues until he makes another right angle turn to the left. What is the total angle of his two turns combined?

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8

Sleeping Beauty's castle has a triangular roof. One angle of the triangle measures 60 degrees and another angle measures 70 degrees. What is the measure of the third angle? (Remember: all angles in a triangle add up to 180 degrees)

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# Answer Key

Math

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For Parents and Teachers

1

Cinderella is preparing her gown for the royal ball and needs to cut fabric at precise angles. She cuts two pieces of fabric that form a right angle where they meet. How many degrees is a right angle?

ANSWER

90 degrees

2

The Big Bad Wolf is chasing Little Red Riding Hood through the forest. She runs in one direction, then turns and runs in the opposite direction (a straight line). What is the total angle of a straight line that she creates with her path?

ANSWER

180 degrees

3

Snow White is arranging seven chairs around a circular campfire for her dwarf friends. If she places them in a complete circle, how many total degrees does the circle contain?

ANSWER

360 degrees

4

Rapunzel is painting a corner of her tower room where two walls meet at a right angle. She then paints another right angle corner on the opposite side of the room. What is the total number of degrees she painted?

ANSWER

180 degrees

5

Jack the Giant Slayer is climbing down his magical beanstalk. He looks down at an angle of 45 degrees from the horizontal. His friend looks down at an angle of 45 degrees as well. What is the sum of both angles?

ANSWER

90 degrees

6

Goldilocks is rearranging the Three Bears' furniture. She turns a chair at a right angle (90 degrees) four times in a row until it faces the same direction it started. How many total degrees did she turn the chair?

ANSWER

360 degrees

7

The Pied Piper is playing his flute while walking through town. He turns left at a right angle, then continues until he makes another right angle turn to the left. What is the total angle of his two turns combined?

ANSWER

180 degrees

8

Sleeping Beauty's castle has a triangular roof. One angle of the triangle measures 60 degrees and another angle measures 70 degrees. What is the measure of the third angle? (Remember: all angles in a triangle add up to 180 degrees)

ANSWER

50 degrees

