# Angle Adventures: Sports Heroes and the Quest for Perfect Angles

**Math**   **Grade 4**   **Sports Theme**

🏅 Help your favorite Sports characters master angles by solving these exciting angle challenges from around the athletic world!

**NAME**

**DATE**

**SCORE**

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**1**

Soccer star Maya is practicing her corner kick technique. She kicks the ball from the corner of the field, and it travels at a 35-degree angle toward the goal. Her teammate receives the ball and kicks it at a 40-degree angle into the net. What is the total angle of both kicks combined?

**2**

Basketball legend Carlos is shooting from different positions. From the free throw line, his first shot goes up at a 52-degree angle. His second shot from the three-point line goes up at a 38-degree angle. How much greater is the angle of his first shot compared to his second shot?

**3**

Hockey player Zara is setting up an incredible trick shot. The puck travels at a 25-degree angle off the boards, bounces back at a 30-degree angle, then goes into the goal at a 45-degree angle. What is the sum of all three angles in Zara's amazing shot?

**4**

Tennis champion Diego is practicing his serve angles. His first serve creates a 60-degree angle with the baseline. His second serve creates a 35-degree angle with the baseline. If he combines both angles, what is their total?

**5**

Track star Aisha is running around a curved portion of the track. She runs through a 90-degree turn, then a 45-degree turn to get back on the straight section. What is the total angle she has turned through?

**6**

Baseball pitcher Jackson throws from the mound at a 20-degree angle upward. The ball travels through the air and comes down at a 25-degree angle toward the catcher's glove. What is the difference between the upward angle and the downward angle?

**7**

Gymnastics champion Emma performs a spectacular routine on the balance beam. First, she does a leap that creates a 75-degree angle with her body. Then she does a turn that creates a 55-degree angle. What is the sum of both angles in Emma's amazing moves?

**8**

Skateboard pro Tyrone is designing the ultimate trick course. He builds a ramp with a 30-degree angle, then another ramp with a 50-degree angle, and finally a jump ramp with a 20-degree angle. If he combines all three angles, what is the total?

# Answer Key

**1**

Soccer star Maya is practicing her corner kick technique. She kicks the ball from the corner of the field, and it travels at a 35-degree angle toward the goal. Her teammate receives the ball and kicks it at a 40-degree angle into the net. What is the total angle of both kicks combined?

**ANSWER**

**75 degrees**

**2**

Basketball legend Carlos is shooting from different positions. From the free throw line, his first shot goes up at a 52-degree angle. His second shot from the three-point line goes up at a 38-degree angle. How much greater is the angle of his first shot compared to his second shot?

**ANSWER**

**14 degrees**

**3**

Hockey player Zara is setting up an incredible trick shot. The puck travels at a 25-degree angle off the boards, bounces back at a 30-degree angle, then goes into the goal at a 45-degree angle. What is the sum of all three angles in Zara's amazing shot?

**ANSWER**

**100 degrees**

**4**

Tennis champion Diego is practicing his serve angles. His first serve creates a 60-degree angle with the baseline. His second serve creates a 35-degree angle with the baseline. If he combines both angles, what is their total?

**ANSWER**

**95 degrees**

**5**

Track star Aisha is running around a curved portion of the track. She runs through a 90-degree turn, then a 45-degree turn to get back on the straight section. What is the total angle she has turned through?

**ANSWER**

**135 degrees**

**6**

Baseball pitcher Jackson throws from the mound at a 20-degree angle upward. The ball travels through the air and comes down at a 25-degree angle toward the catcher's glove. What is the difference between the upward angle and the downward angle?

**ANSWER**

**5 degrees**

**7**

Gymnastics champion Emma performs a spectacular routine on the balance beam. First, she does a leap that creates a 75-degree angle with her body. Then she does a turn that creates a 55-degree angle. What is the sum of both angles in Emma's amazing moves?

**ANSWER**

130 degrees

**8**

Skateboard pro Tyrone is designing the ultimate trick course. He builds a ramp with a 30-degree angle, then another ramp with a 50-degree angle, and finally a jump ramp with a 20-degree angle. If he combines all three angles, what is the total?

**ANSWER**

100 degrees