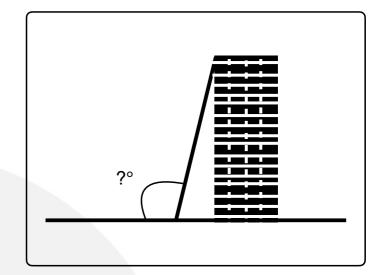
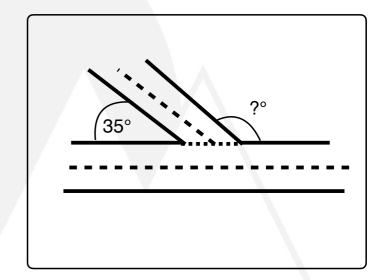


Scenario Questions:

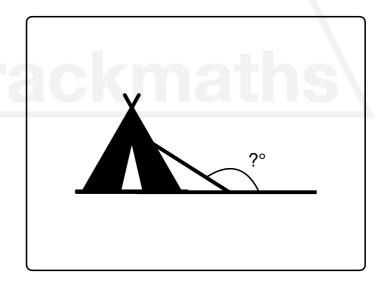
1. A ladder leans on a wall. On one side of the ladder it makes an 80° angle with the ground, what angle is made on the other side?



2. Two roads meet at a T-Junction, the angle they make on one side is 35°. What is the angle on the other side?



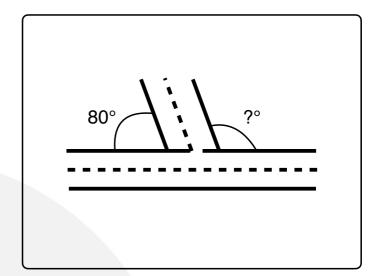
3. A guide rope is attached to the ground at a 45° angle. What angle does it make with the ground on the other side?



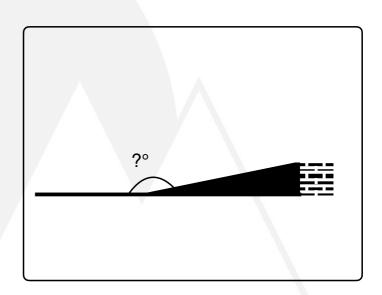


Scenario Questions:

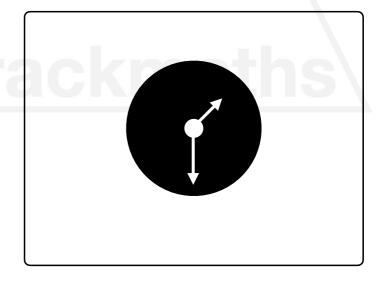
4. At a street intersection, two roads form one angle of 80°. What is the size of the other angle formed between the roads?



5.A ramp is placed against a step. If angle below the ramp with the floor is 20°, what is the size of the angle above the ramp?



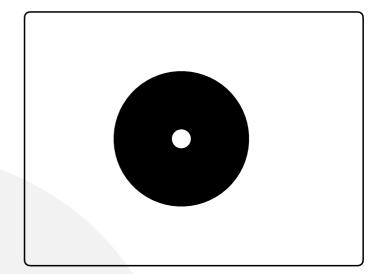
6. At 2:30 one angle between the hands of a clock is 105°. What is the size of the other angle between the hands?



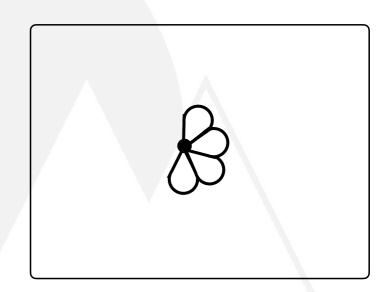


Scenario Questions:

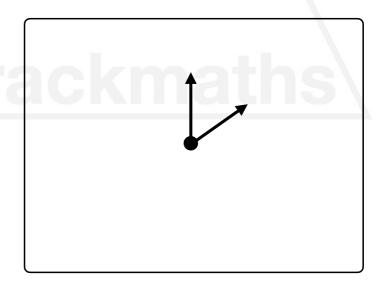
7. Friends are sitting around a circular table. If each person occupies 72° of the table, how many friends are there?



8. Sarah is drawing a flower with 7 petals. If each petal measures 50 degrees, will the petals make a complete circle?



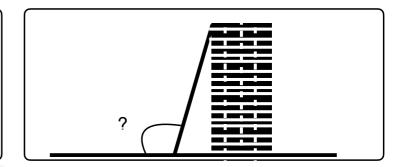
9. Jos is facing north and turns 35° clockwise. How many more degrees must he turn before he is facing north again?



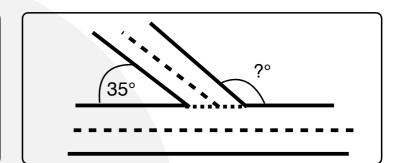


Scenario Questions: Answers

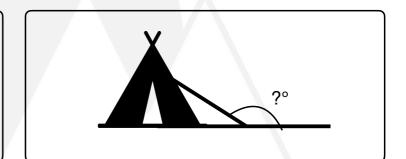
- 1. A ladder is leaning against a wall, forming a straight line. If one angle between the ground and the ladder measures 80 degrees, what is the measure of the angle between the wall and the ladder?
- 1. Missing angle = $180^{\circ} 80^{\circ} = 100^{\circ}$.



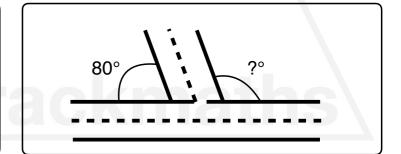
- 2. Two roads intersect at a point. If one of the angles formed is 35 degrees, what is the measure of the angle?
- 2. Missing angle = 180° 35° = 145°.



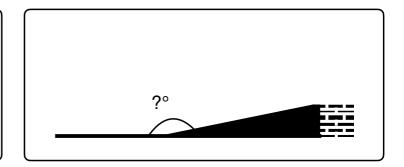
- 3. A guide rope is attached to the ground at a 45° angle. What angle does it make with the ground on the other side?
- 3. Missing angle = 180° 45° = 135°.



- 4. At a street intersection, one road forms an angle of 80 degrees with the other road. What is the measure of the missing angle formed between the roads?
- 4. Missing angle = 180° 80° = 100°.



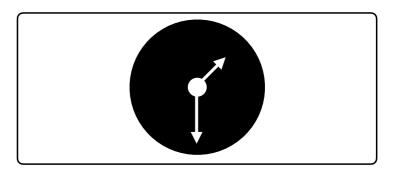
- 5. A ramp is placed against a step, forming a straight line with the ground. If one angle on the ramp measures 20 degrees, what is the measure of the angle on the step?
- 5. Missing angle = $180^{\circ} 20^{\circ} = 160^{\circ}$.



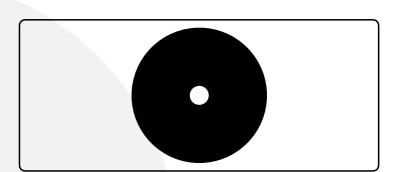


Scenario Questions: Answers

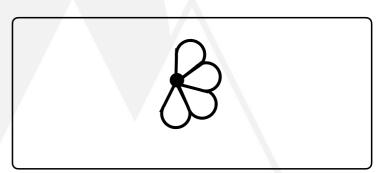
6. In a clock, the minute hand is at the 6 and the hour hand is at the 2 the angle between them is 105°. What is the measure of the reflex angle between the hands?



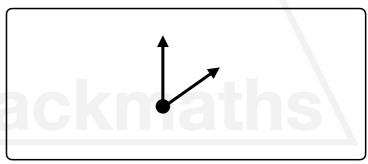
- 6. Missing angle = $360^{\circ} 105^{\circ} = 255^{\circ}$.
 - 7. At a picnic, a group of friends are sitting around a circular table. If each person occupies 72 degrees of the table, how many friends are there?



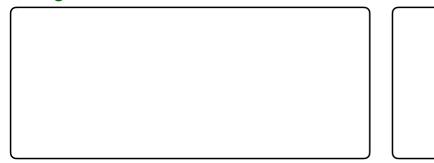
- 7. Number of friends = $360^{\circ} \div 72^{\circ} = 5$
 - 8. Sarah is drawing a flower with 7 petals. If each petal measures 50 degrees, will the petals complete the circle?



- 8. No, she will have 10° left: 360° $(7 \times 50^{\circ}) = 10^{\circ}$
 - 9. Jos is facing north and turns 35° clockwise. How many more degrees must he turn before he is facing north again?



9. Degrees left to turn = 360° - 35° = 325°



)
	J