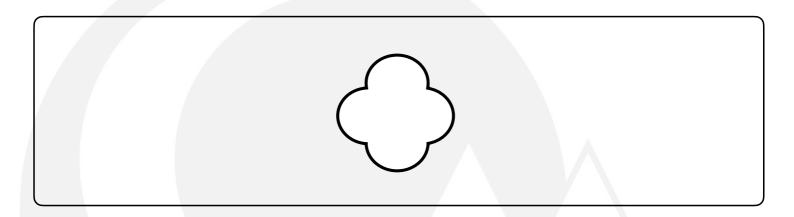
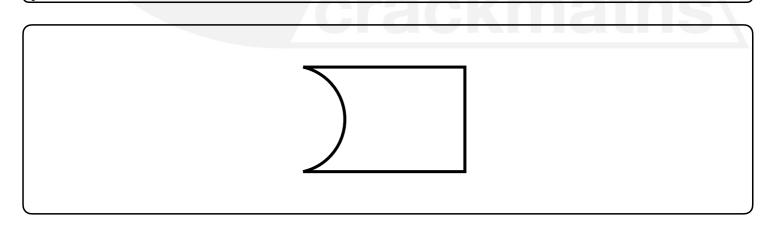


Scenario Questions: Round answers to 2 decimal places, use $\pi = 3.14$

1. A garden consists of a square with side length 4 meters and a semicircle with diameters of 4 meters attached to of its sides. Find the total perimeter of the garden.



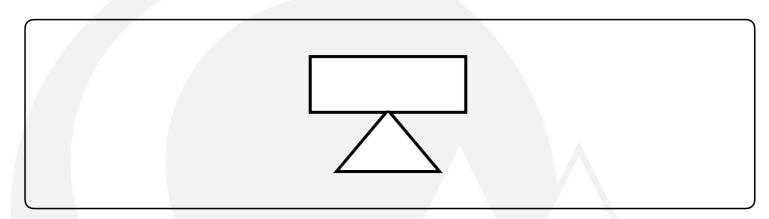
2. A bathroom floor is in the shape of a rectangle with dimensions 6 feet by 8 feet, and there is a semi-circular bathtub with a radius of 3 feet cut out of one of 6 foot sides. Calculate the total perimeter of the bathroom floor.



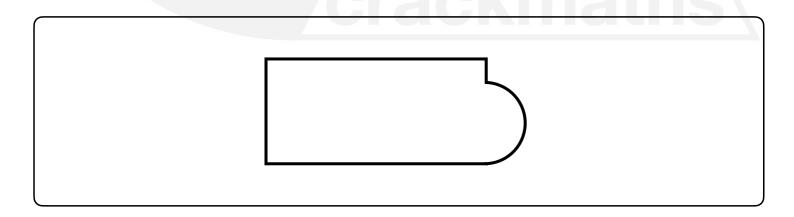


Scenario Questions: Round answers to 2 decimal places, use $\pi = 3.14$

3. An amusement park ride has a triangular base with side lengths of 6 meters, 6 meters, and 7 meters. On top of the triangular base, there is a rectangular shape measuring 4 meters by 8 meters. Determine the total perimeter of the ride.



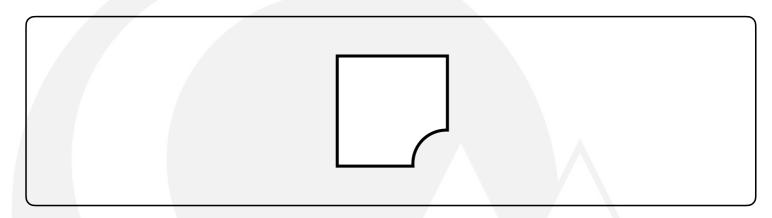
4. A swimming pool has a rectangular shape with dimensions 10 feet by 20 feet. Inside the pool, there is a circular spa with a radius of 4 feet. Find the total perimeter of the pool and spa complex.



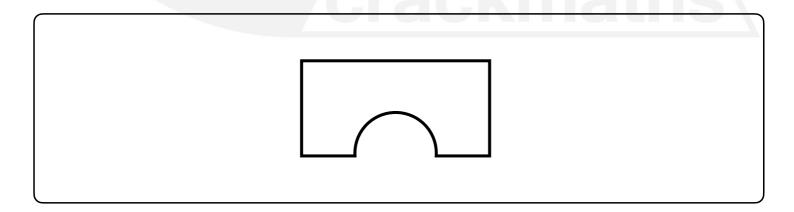


Scenario Questions: Round answers to 2 decimal places, use $\pi = 3.14$

5. A playground has a square area with sides measuring 12 meters, and there is a quarter -circle sandbox with a radius of 3 meters located at one corner of the square. Calculate the total perimeter of the playground.



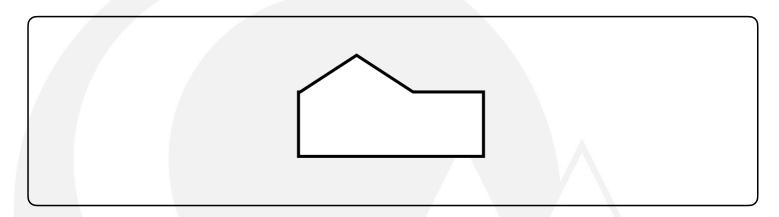
6. A park consists of a rectangular field measuring 14 yards by 20 yards. Within the field, there is a semi - circular pond with a radius of 5 yards. Determine the total perimeter of the park.



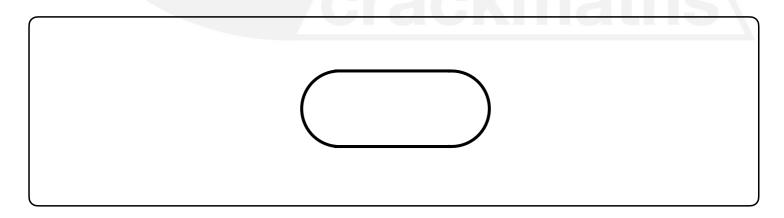


Scenario Questions: Round answers to 2 decimal places, use $\pi = 3.14$

7. A hiking trail has a rectangular segment measuring 8 kilometers by 4 kilometers, and there is a triangular section with a base of 6 kilometers and a sides of 5 kilometers attached to one side. Find the total perimeter of the train.



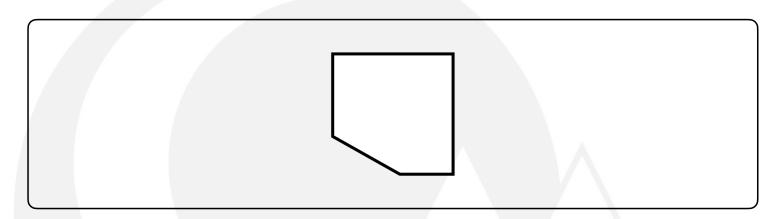
8. A football field has a rectangular shape measuring 90 meters by 120 meters, with a semicircular arc at each end of the field. Each arc has a radius of 45 meters. Calculate the total perimeter of the football field.



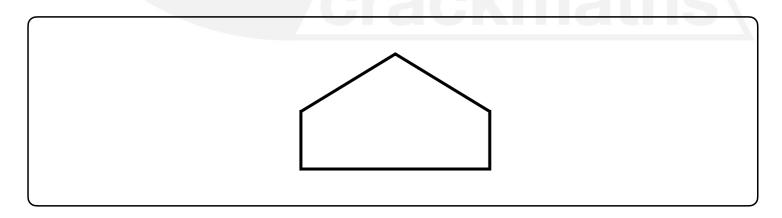


Scenario Questions: Round answers to 2 decimal places, use $\pi = 3.14$

9. A building rooftop has a square shape measuring 15 feet on each side, with a right angle triangle with sides 3 feet, 4 feet and 5 feet cut out from one corner. Determine the total perimeter of the rooftop area.



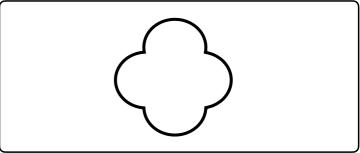
10. A shopping complex has a rectangular building measuring 40m by 60m. There is also a triangular courtyard which runs the full length of the 60m side with the other two sides at 50m each. Find the perimeter of the shopping complex.





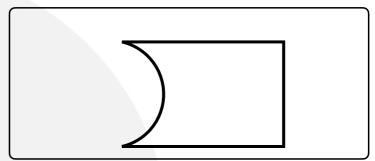
Scenario Questions: Answers

1. A garden consists of a square with side length 4 meters and a semicircle with diameters of 4 meters attached to of its sides. Find the total perimeter of the garden.



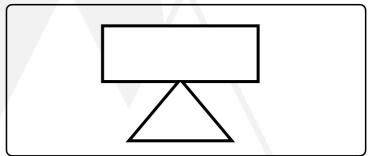
1. Total perimeter = 6.28 m + 6.28 m + 6.28 m + 6.28 m = 25.12 m

2. A bathroom floor is in the shape of a rectangle with dimensions 6 feet by 8 feet, and there is a semi-circular bathtub with a radius of 3 feet cut out of one of 6 foot sides. Calculate the total perimeter of the bathroom floor.



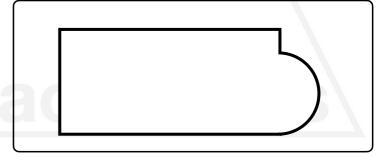
2. Total perimeter = 8 feet + 8 feet + 6 feet + 9.42 feet = 31.42 feet

3. An amusement park ride has a triangular base with side lengths of 6 meters, 6 meters, and 7 meters. On top of the triangular base, there is a rectangular shape measuring 4 meters by 8 meters. Determine the total perimeter of the ride.



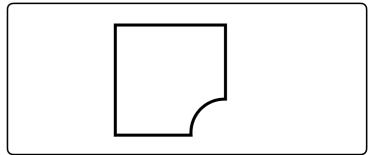
3. Total perimeter = 6 m + 6 m + 7 m + 4 m + 4 m + 8 m + 8 m = 43 m

4. A swimming pool has a rectangular shape with dimensions 10 feet by 20 feet. Inside the pool, there is a circular spa with a radius of 4 feet. Find the total perimeter of the pool and spa complex.



4. Total perimeter = 20 ft + 10 ft + 20 ft + (10 ft - 8 ft) + 12.56 ft = 64.56 ft

5. A playground has a square area with sides measuring 12 meters, and there is a quarter -circle sandbox with a radius of 3 meters located at one corner of the square. Calculate the total perimeter of the playground.

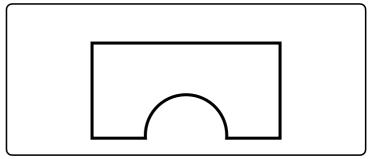


5. Total pertmeter = 12 m + 12 m + (12 m - 3 m) + (12 m - 3 m) + 4.71 = 46.71 m



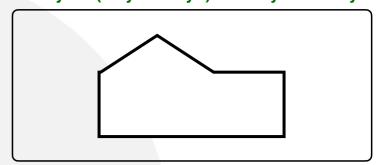
Scenario Questions: Answers

6. A park consists of a rectangular field measuring 14 yards by 20 yards. Within the field, there is a semi - circular pond with a radius of 5 yards. Determine the total perimeter of the park.



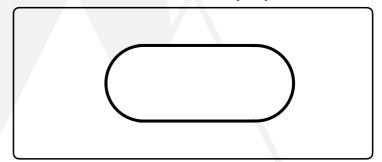
6. Total perimeter = 14 yd + 20 yd + 14 yd + (20 yd - 10 yd) + 15.7 yd = 73.7 yd

7. A hiking trail has a rectangular segment measuring 8 kilometers by 4 kilometers, and there is a triangular section with a base of 6 kilometers and a sides of 5 kilometers attached to one side. Find the total perimeter of the train.



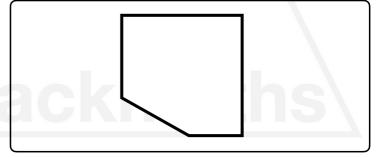
7. Total perimeter = 4 km + 8 km + 4 km + 5 km + 5 km + (8-6) km = 28 km

8. A soccer field has a rectangular shape measuring 90 meters by 120 meters, with a semicircular arc at each end of the field. Each arc has a radius of 45 meters. Calculate the total perimeter of the soccer field.



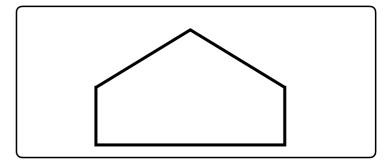
8. Total perimeter = 120 m + 120 m + 151.3 mm + 141.3 m = 522.6 m

9. A building rooftop has a square shape measuring 15 feet on each side, with a right angle triangle with sides 3 feet, 4 feet and 5 feet cut out from one corner. Determine the total perimeter of the rooftop area.



9. Total perimeter = 15 ft + 15 ft + (15 ft - 3 ft) + 5 ft + (15 ft - 4 ft) = 58 ft

10. A shopping complex has a rectangular building measuring 40m by 60m. There is also a triangular courtyard which runs the full length of the 60m side with the other two sides at 50m each. Find the perimeter of the shopping complex.



10. Total perimeter = 40 m + 60 m + 40 m + 50 m + 50 m = 240 m