



APPLIED MATHEMATICS

DEPARTMENT OF HEALTH AND HUMAN SERVICES
Federal Government

APPLIED MATHEMATICS

1. The area of a square is 16 square units. What is the length of one side?
2. A rectangle has a length of 10 units and a width of 5 units. What is its perimeter?
3. A circle has a radius of 3 units. What is its circumference?
4. A right triangle has legs of length 3 and 4. What is the length of the hypotenuse?
5. A car travels 120 miles in 2 hours. What is its average speed in miles per hour?
6. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in hours?
7. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in minutes?
8. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in seconds?
9. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in days?
10. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in weeks?
11. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in months?
12. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in years?
13. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in decades?
14. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in centuries?
15. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in millennia?
16. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in eons?
17. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in billions of years?
18. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in trillions of years?
19. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in quadrillions of years?
20. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in quintillions of years?
21. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in sextillions of years?
22. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in septillions of years?
23. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in octillions of years?
24. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in nonillions of years?
25. A car travels 120 miles at an average speed of 60 miles per hour. How long does the trip take in decillions of years?

