Convert the following units. Make sure you show ALL work and include the units in your answer for full credit.

1. 33 feet into yards.

2. 120 ounces into cups.

3. 4 miles into inches.

4. 10 days into seconds.

5. 3 miles per hour into feet per second.

6. 7 cups per day into pints per week.

7. 10 lbs into kg.

Metric System.

8. What are the three units used in the metric system? _____

9. Fill in the blanks with the appropriate abbreviations.

_____   _____   _____   units   _____   _____   _____

10. 1.2 ml = _____kl   11. 13g = _____cg   12. 1.60m = _____km
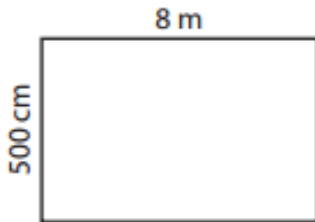
13. 5m_____mm   14. 150dl_____l   15. 1.4cg_____mg

_____ _____ _____ **meters** _____ _____ _____

Find the perimeter and area of each rectangle. Be sure to convert to the appropriate units first!!! **P = 2l + 2w** **A = lw**
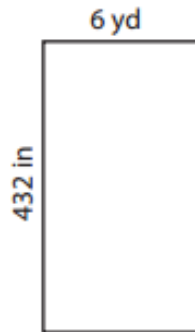
16.

8 m

500 cm

Area : _____ m^2

Perimeter : _____ m

17.

6 yd

432 in

Area : _____ yd^2

Perimeter : _____ yd

18.

3 cm

100 mm
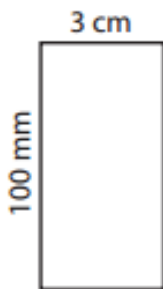
Area : _____ cm^2

Perimeter : _____ cm

19. A square has side lengths 4 feet. Find the perimeter and area in *inches*.

Area: _____ in^2

Perimeter: _____ in

20. Johhny weighs 68 kg. Bobby weighs 150 pounds. Who weighs more?

22. If Ms. Smith is 6 foot 1 in and her sister is 67 inches. Who is taller AND by how many inches?

Conversions

1 hour = 3600 seconds	1 mile = 5280 feet	1 yard = 3 feet
1 meter = 3.28 feet	1 km = 0.62 miles	1 light second = 300,000,000 meters
1 kg = 2.2 lbs	1 lb = 0.45 kg	1 quart = 0.946 liters
1 m/s = 2.2 miles/hour	1 foot = 12 inches	1 inch = 2.54 cm = 25.4 mm