

Name	
Date _	
Period	

## Convert the following five metric units to their equivalent

1.	5000 grams =							
	a) 5 grams	b) 500 kilogra	ıms	c) 5 kilogra	ams	d) 0.5 kilog	rams	
2.	753 millimeters =							
	a) 0.753 centimeters	b) 0.753 mete	rs	c) 7.53 me	eters	d) 7.35 cent	imeters	
3.	100 centimeters =							
	a) 1 meter b) 100	0 millimeters	c) 0.	001 kilome	ters	d) a, b & c ar	e correct	
4.	1100 milliliters =							
	a) 1 liter b) 1.10	00 liters	c) 0.	11 liters	d) 11	.00 liters		
5.	5.345 kilometers =							
	a) 5345 meters b) 5	345 meters	c) 5	3.45 meters	d) 5.	3450 centimet	ers	
6.	is relative?							
	a) Distance		c) 1	temperature		d) life		
7.	A car's odometer reads the							
	a) average velocity	/		, ,				
8.	3. A car going from San Francisco to LA has a speed of 120km/h, what is its velocity?							
	a) 120 km/h, north b)120 km/h, east c) 120 km/h, south d) 120 km/h, west							
9.	P. Rate is defined as how much something changes per unit?							
	a) time b) volume c) distance d) velocity							
10	10. When things speed up, slow down or change direction they are?							
	a) traveling b) acce	elerating c) mo	oving	d) brakir	1g			

Use the following tables to answer the questions below

Table A Table B

Time (s)	Distance (m)
1	5
2	20
3	45
4	80

Time (s)	Distance (m)
1	20
2	40
3	60
4	80

Table C

Time (s)	Distance (m)
1	5
2	10
3	15
4	20

11. Which table indicates

an object is accelerating?

a) table A b) table B c) table C d) table D

12. Which table indicates an object moving at the highest constant velocity?

a) table A b) table B c) table C d) table D

13. Which table indicates the distance an object would freefall?

a) table A b) table B c) table C d) table D

14.	If an object is go a) 0 m/s/s	-	10 seconds, wha c) 100 m/s/s	at is its rate of acceleration? d) 1000 m/s/s		
	15. If an object is thrown straight up with a velocity of 70 m/s, how long will it take before that object hits the ground?					
	a) 70 seconds	b) 7 seconds	c) 14 seconds	d) 21 seconds		
16.	Gravity always p a) toward the	_	b) perpendicul	ar to earth's surface c) down		
17. If a man drops his hammer from the top of a 410 meter building, how fast will the hammer be falling after five seconds?						
	a) 5 m/s	b) 10 m/s	c) 25 m/s	d) 50 m/s		
	18. If a man drops his hammer from the top of a 410 meter building, what will the hammers acceleration be after five seconds?					
	a) 10 m/s/s	b) 20 m/s/s	c) 10 m/s	d) 20 m/s		
19.	What is the prope a) meters		re the distance c) millimeters	from Antioch to San Francisco? d) centimeters		
20.	What is the proper a) m/s	er unit to measu b) km/h	re the speed of c) km/s	a car? d) both a and b are appropriate		
21.	Solve this equation	on for t equa	ation $d = \frac{1}{2} a t^2$	therefore t=?		
22. If Jon runs 100 meters in 20 seconds, what is his average speed? Speed = distance/time						
23. If a car accelerates from 10 m/s to 110 m/s in 10 seconds, what is the car's rate of acceleration? Acceleration = change in velocity/ time						
24. If a rock falls for 10 seconds, how fast will the rock be going after nine seconds? Velocity = acceleration x time						
25. If a rock falls for ten seconds, what is the distance the rock falls? $d = a t^2 / 2$						
26. If a ball accelerates down a ramp a distance of nine meters in three seconds, what is the rate of acceleration? $a = 2d/t^2$						