

GED READY REVIEW

1. List all of the factors?

42 and 70

18 and 188

2. Joe has \$200 and wants to buy t-shirts. They are \$5.25 per t-shirt. There is a \$30 fee for shipping. How many shirts can Joe buy?

3. Sally is at the grocery store. She has \$50, she wants to buy cereal. Cereal cost \$2.65 a box. How many boxes can she buy if tax is 7%?

4. 23, 24, 21, 54, 22, 22, 14, 67

What is the mean?

Median?

Range?

17, 32, 23, 14, 33, 76

What is the mean?

Median?

Range?

5. Solve:  $2(x+2) = 5(x-4)$

$$4(x-2) = 2(x+5)$$

$$3(x+1) = 4(x-2)$$

6. There are two chefs. Taste is worth 60% and presentation is worth 40%. Which chef won the competition?

	Chef #1	Chef #2
Taste Score	87	91
Presentation Score	91	87

7. There is a rectangular prism that has a height of 4 and a width of 12, length of 14. What is the Surface Area? What is the volume?

8. The volume of a cylinder is 747. The height is 9 inches. What is the radius?
9. The surface area of a sphere is 246. What is the diameter?
10. A rectangle has an area of 565. The length is 200. What is the width?
11. A right triangle has a height of seven and a base of 6. What is the area? What is 70% of the area?
12. What is the distance around a circular track if the radius is 98 meters?

13. Your lawnmower needs to be serviced. There is a \$25 service fee. You need an oil change, belt replacement and oil filter. What is the cost before tax?

Oil change	\$40
Belt Repair	\$10
Belt Replacement	\$25
Oil Filter Only	\$5
Tire	\$10
Set of Tires	\$20

14. What is the total cost after 7% sales tax?

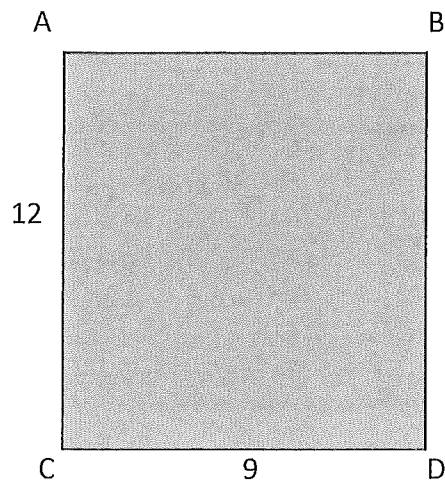
15. You go to the hairdresser. You get a wash, cut and perm? How much did it cost?

Wash	\$4
Cut only	\$14
Style	\$10
Perm	\$32
Color	\$44

16. If you only have \$50 what are three possibilities to have done and cost?

17. If you get a color and style and add a 20% tip, what is the final cost?

18. What is the distance from A to D? Use the most direct route?



19. Fill in the table using scientific notation

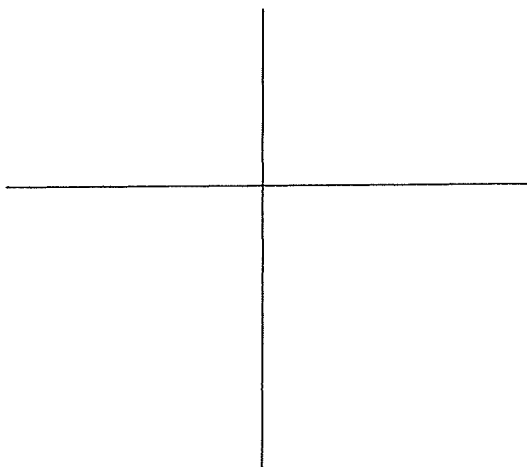
$2.9 \times 10^5$	
	0.0425987516
$3.1 \times 10^{-6}$	
	258465847
$1.9 \times 10^4$	
$3.4 \times 10^{-3}$	
	466546456489

20. If pepsi is \$2.49 a case and it goes down to \$1.89, what is the percentage change in price?

21. If you buy a car for \$18,000 and the price goes down to \$13,098 in one year. What is the percentage change?

22. What is the slope of  $y=3x+10$

23. Plot on graph  $2x + 3y = 12$



24. What pair completes the equation  $2x - 3y = 6$  (2, 6) (6, 2) (1, 4) or (5, 1)

25. If you have 10 blue socks, 13 red socks, 17 yellow socks, 3 green socks and 4 white socks. What is the probability of pulling out a green or red sock?

26. If you have a set of dice what is the probability of rolling even numbers?

27. If you buy 10 lottery tickets and 10034 were sold. What is the probability you will win? If your boss bought 30, what is her probability?

28. Fill in the table

FRACTION	PERCENT	DECIMAL
1/3		
	40%	
4/5		
		.66
1/5		
	25%	
3/4		
		.25

29. If we need 7 cups of water and 3 cups of rice. How many cups of rice do we need for 33 cups of water?

30. There is a train it can hold 700 people. There are 14 cars. How many people will be in each car if full?

31. If Mark purchased  $x$  t-shirts at \$6 apiece, and  $y$  sweaters at \$20 apiece, which expression represents the total value of the purchases?

A:  $6x - 20y$

B:  $6x + 20y$

C:  $20x - 3y$

D:  $20x + 3y$

32. What is the value of  $20x - 3y^2$  if  $x = 2$  and  $y = 3$ ?

A: 45

B: 48

C: 15

D: 13

33. The scale on a map is 2 inches=75 miles. The actual distance from city A to city B is 270 miles. How far apart in inches are the two cities on the map?

34. What is the slope of a line passing through the points  $(-3, 7)$  and  $(-8, -1)$ .

35. What is the slope?

X	Y
1	5
3	7
5	9



36.

Solve for X

