

7th Grade Summer Math

Name _____



Answer each of the following questions, show work in the space provided. Write the final answer on the Answer line in each box. Turn the packet into your teacher the first week of school.

Find the value of each expression.

1. $8(16+4)$	2. $3(9 - 3 \cdot 2)$	3. $12 \div 3 \cdot 4$	4. $12[3(17-6)-7 \cdot 4]$	5. $\frac{14+4}{11-2}$
Answer: _____	Answer: _____	Answer: _____	Answer: _____	Answer: _____

Evaluate, if $a = 10$, $b = 8$, $c = 6$ and $d = 12$

6. $14 - a + b^2$ Answer 	7. $2b - d$ Answer 	8. $d - c^2$ Answer 	9. $c + (d - b)$ Answer
---	---	--	--

Translate into an algebraic expression and let n equal the number.

10. Seven more than some number Answer 	11. The product of a number and ten Answer 	12. Twice as many as last week Answer 	13. The difference of a number and twelve Answer 	14. Mary's score plus ten points extra credit Answer
---	---	---	---	---

23. $-6n = 84$



24. $-(-16)$

On a map, 1 inch represents 100 feet, How many inches would represent 350 feet?

Find the following areas and perimeters.

25.

Area and perimeter of a rectangle if the length is 17ft. And the width is 20 ft.

Area _____ Perimeter _____

26.

Area and perimeter of a square with $s = 14\text{m}$

Area _____ Perimeter _____

Simplify

27. -31	28. 24	29. $(-8 * 9) + 10$	30. $-38.43 * -.54$	31. $10.25 - .99$
Answer _____	Answer _____	Answer _____	Answer _____	Answer _____

Simply the following

37. -4-5	38. $8 + (-11)$	39. $-15 + 9$	40. $-33-(3)$	41. $(-4)-(7)$
Answer _____	Answer _____	Answer _____	Answer _____	Answer _____

42.

$-9 \bullet 4$

Answer	Answer	Answer	Answer	Answer
43. -33-(-33)	44. (-11)(-15)	45. -6 + (-18) + 40	46. (-2)(3)(4)	

Find the GCF and the LCM for each of the following.

47. 16 and 42 GCF _____ LCM _____	48. 27 and 9 CGF _____ LCM _____
--	---

Answer the following questions about percents.

49. Change 35% to a decimal Answer _____	50. Change 40% to a fraction in lowest terms. Answer _____	51. Change to a percent. $\frac{1}{5}$ Answer _____
---	--	--

52.
What is 6% tax on \$18.99?

Answer

53.
Find 10% of 25

Answer

Answer

54. 20% tip for a \$87.50 meal?
