For students entering 7th grade math   Name: _____

Summer Review Packet

Vocabulary

Problem	Answer here
1. The sum of 11 and 19	
2. The difference of 25 and 21	
3. The product of 9 and 8	
4. The quotient of 16 and 4	

Exponents
Solve the following and show your work:

5) $7^2 =$ _____   6) $1^{12} =$ _____

7) $4^3 =$ _____   8) $2^4 =$ _____

Order of operations
Solve:

problem	show your work if needed	final answer
9) 6 - 4 + 7		
10) 6 x (3 ÷ 1) ÷ 2		
11) $(7 + 2^3)$ 9		
12) 10 + 2 • 12 - 4		

<u>Decimals</u>
Write the following decimals in words.
Example: 56.17 is written as fifty six and seventeen hundredths

13) 26.035

14) 107.1035

Adding and subtracting decimals

15)   5.34 - 4.11   16)   191.2 + 456.3

17)   56.25 + 5.6   18)   125.42 - 98.04

 Multiplying and dividing decimals

19)   4.01 x 1.7   20) .15 x .5

21)   .32 x 1.02   22) 6 x 11.2

23)   4 ÷ 1.25   24) 7 ÷ 6.28

25)   1.86 ÷ 3   26) 10.47 ÷ 0.03

Vocabulary

27) List 2 prime numbers:

28) List 2 composite numbers:

29) List the factors of 12:

30) List the first 6 multiples of 4:

31) What is a common denominator for the following fractions: $\frac{1}{3}$ and $\frac{1}{5}$

<u>Fractions</u>

Turn the following into an improper fraction:

32) $3\frac{1}{5}$

33) $2\frac{2}{5}$

Adding and subtracting fractions

34) $\frac{7}{4} - \frac{8}{5}$

35) $\frac{7}{10} + \frac{2}{5}$

36) $\frac{5}{2} + \frac{2}{3}$

37) $\frac{14}{5} - \frac{4}{3}$

38) $\frac{9}{7} - \frac{5}{6}$

39) $\frac{23}{2} + \frac{9}{4}$

Multiplying fractions

40) $19 \times \frac{1}{6}$

41) $14 \times \frac{3}{4}$

42) $\frac{1}{2} \times \frac{5}{6}$

43) $\frac{3}{22} \times \frac{11}{18}$

44) $2\frac{1}{4} \times 1\frac{2}{3}$

45) $2 \times 5\frac{1}{6}$

Dividing fractions

Write the reciprocal

46) $\frac{4}{5}$

47) $\frac{9}{4}$

Find the quotient :

48) $\frac{1}{3} \div \frac{2}{3}$

49) $\frac{2}{5} \div \frac{4}{5}$

50) $5\frac{5}{6} \div \frac{7}{10}$

51) $7 \div 4\frac{2}{3}$

52) $6\frac{1}{8} \div \frac{7}{16}$

53) $\frac{5}{9} \div 4\frac{1}{6}$

Integers

Complete the statement using a < or >

54) - 1 ___ 2	
55) -10 ___ 0	
56) - 8 ___ - 9	

Find the sum or difference

57) - 4 + 7	
58) 6 + (- 6)	
59) -8 + 3	
60) 7 - 10	
61) 6 - (- 8)	
62) - 11 - 13	

Find the product

63) 9 (- 8)	
64) -11 (0)	
65) 12(13)	
66) - 10 (- 8)	

Find the quotient

67) - 42 ÷ 7	
68) 54 ÷ (- 6)	
69) - 16 ÷ (- 8)	
70) - 81 ÷ 3	