

## 7th Grade Summer Packet

Date \_\_\_\_\_

**Evaluate each expression.**

1)  $17 + (-9) + 25$

2)  $(-5) + (-25) + (-3)$

**Find each quotient.**

3)  $30 \div 5$

4)  $72 \div 9$

5)  $20 \div 10$

6)  $5.44 \div 10$

7)  $7.1 \div 5$

8)  $0.3 \div 4$

9)  $4.6 \div 0.88$

10)  $4.5 \div 0.8$

11)  $2\frac{2}{3} \div 2$

12)  $\frac{3}{2} \div \frac{5}{3}$

13)  $2 \div \frac{1}{2}$

14)  $\frac{1}{10} \div \frac{3}{10}$

15)  $4\frac{1}{5} \div 3\frac{9}{10}$

**Evaluate each expression.**

16)  $7 - 2\frac{1}{4}$

17)  $2\frac{5}{6} - \frac{1}{2}$

18)  $2\frac{1}{5} - \frac{1}{2}$

19)  $4\frac{5}{6} - \frac{5}{6}$

20)  $1\frac{1}{5} + \frac{1}{4}$

**Write each as a decimal. Round to the thousandths place.**

21) 93.2%

22) 38%

23) 27%

**Write each as a decimal. Use repeating decimals when necessary.**

24)  $\frac{1}{2}$

25)  $\frac{1}{3}$

26)  $\frac{41}{100}$

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

28)  $6\frac{1}{10}$

**Write each as a percent. Use repeating decimals when necessary.**

29)  $\frac{9}{16}$

30)  $\frac{9}{11}$

31)  $1\frac{3}{5}$

32) 0.0053

33) 5.27

**Write each as a fraction.**

34) 8.5

35)  $3.\overline{54}$

36) 4.625

**ONLY FOR 6.1 and 6.2. Solve each problem.**

37) 24 is what percent of 128?

38) What percent of 77 is 28.5?

39) What percent of 48 is 31?

**ONLY FOR 6.1. Evaluate each expression.**

40)  $(-18) - 22$

41)  $(-15) + (-17)$

42)  $(-12) + 21$

**ONLY FOR 6.1 and 6.2. Solve each problem.**

43) What is 280% of 11.1?

44) What is 66% of 93.5?

45) What is 140% of 108?

**Evaluate each expression.**

46)  $15 \div (3 + 2)$

47)  $(5 \times 2) \div 2$

48)  $1^2 + 3$

49)  $6 + 6 - 4$

$50) 6 + 6 - 1$

$51) 5 + 6 + 2 + 5$

$52) 12 \div (4 - 2) + 1$

$53) 3 - (3 - (4 - 1))$

$54) 1 + 4 + 4 + 6$

$55) 6^2 \div 6 - 4$

**ONLY FOR 6.1. Simplify each expression.**

$56) 4 + 7a - 6a$

$57) 10n + 10 + 7$

$58) 6p - 6p$

$59) x + 8 + 7x + 3$

$60) 5n + 8n$

**ONLY 6.1 and 6.2. Solve each problem.**

$61) 91 \text{ is } 54\% \text{ of what?}$

$62) 82 \text{ is } 57\% \text{ of what?}$

$63) 3\% \text{ of what is } 28.9?$

**Evaluate each expression.**

$64) 6 \div 6 \times 1^3$

$65) 4 + 4 - (6 - 3)$

$66) 5 + 4^2 + 4$

$67) 6 \times 2 + 16 \div 4$

$68) 6^2 \times 4 \div 4$

$69) 3.1(4.4 - 2.7)$

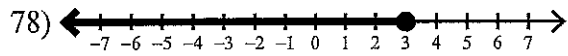
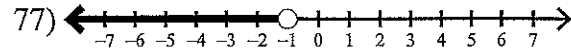
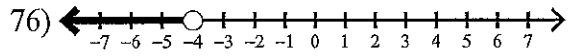
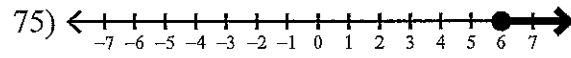
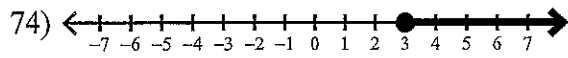
$70) 3.6(5.5 + 4)$

$71) 3.2^2 \times 4.8$

72)  $3.6 + 3.1 - 4.19$

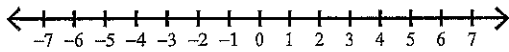
73)  $(5.5 - 5) \div 1$

Write an inequality for each graph.

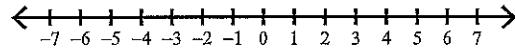


Draw a graph for each inequality.

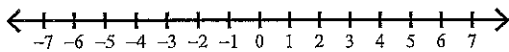
79)  $p < 3$



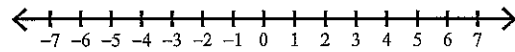
80)  $n < 6$



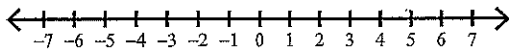
81)  $n \leq -4$



82)  $a \geq -1$



83)  $a \geq -4$



Solve each equation.

84)  $0 = n - 16$

85)  $15 + p = 31$

86)  $b + 13 = 16$

87)  $8 + r = 17$

88)  $x - 4 = 5$

89)  $304 = 19x$

$$90) 20b = 60$$

$$91) \frac{b}{5} = 9$$

$$92) 6 = \frac{b}{17}$$

$$93) 16 = \frac{n}{17}$$

**ONLY FOR 6.1 Simplify each expression.**

$$94) 5(x + 1)$$

$$95) -8(1 - 2k)$$

$$96) -8(5 + 5x)$$

$$97) -3(n + 4)$$

$$98) 4(1 + 4k)$$