

**Assignment**

Date \_\_\_\_\_ Period \_\_\_\_\_

**Write each as an algebraic expression.**

1) 22 decreased by 7

2)  $x$  minus 133) the product of  $z$  and 94) 11 minus  $r$ 

5) half of 4

6) the sum of 6 and 8

7) twice 6

8) the quotient of  $q$  and 29) 8 increased by  $y$ 10)  $t$  times 811) the sum of  $n$  and 8

12) 49 divided by 7

13) 25 minus  $x$ 14) 42 divided by  $n$ 

15) 5 more than 5

16) 4 less than  $x$ 

17) the difference of 20 and 5

18) 11 increased by 7

19) twice 9

20) twice 4

21)  $x$  increased by 722) 12 times  $n$ 23) the difference of  $k$  and 2424)  $c$  times 625)  $n$  increased by 826) 23 minus  $u$

27) a less than 24

28) twice y

29) half of 24

30) d times 5

31) the difference of 26 and 8

32) 7 less than n

33) 4 times y

34) 7 more than n

35) 6 increased by u

36) 24 divided by 6

37) n times 7

38) 30 divided by 6

39) a times 12

40) the difference of q and 15

41) m increased by 5

42) 16 divided by 2

43) x less than 18

44) twice 7

45) m increased by 11

46) the product of 2 and 7

47) the difference of 13 and 3

48) x divided by 5

49) 3 less than n

50) the product of d and 11

**Evaluate each expression.**

51)  $3 \times 6 + 5 - (6 - 4)$

52)  $2 \div 2(6 + 3) + 4$

$$53) 8 \div (6 - (4 + 2 - 2))$$

$$54) (18 + 4 - 1 - 5) \div 4$$

$$55) 6 \times (3 + 5) \div 2^2$$

$$56) (2 + 16) \div (1 - 1 + 6)$$

$$57) (15 \div 5 + 2 + 6) \times 2$$

$$58) 3(3 - 2 + 4) \times 2$$

$$59) 3 + 2 + 4 - 3 - 1$$

$$60) 2(2 + 2) + 4 \times 6$$

$$61) 3 \times 8 \div (3 + 4 - 3)$$

$$62) 3^2 + (17 - 5) \div 6$$

$$63) 10 \div (1 + 4) \times 5 \times 4$$

$$64) 5(2 + 1) - 3 - 2$$

$$65) 8 \div (2 + 3 - 3) + 1$$

$$66) 3 - (3 - (3 - 4 \div 4))$$

$$67) 5 + 3 - 3 + 5 + 1$$

$$68) 5 + (6 - 3) \times 5 - 2$$

$$69) 5 + 6 - (6 + 6 - 6)$$

$$70) (6 - 3 + 1 + 1) \div 5$$

$$71) (8 + 1 + 1) \div (6 - 1)$$

$$72) 18 \div (5 - 2) + 2 \times 6$$

$$73) ((8 + 2 - 1) \times 2) \div 6$$

$$74) 16 \div 4 + 2(1 + 2)$$

$$75) (5 - 5 + 4 - 3) \times 6$$

$$76) 5 \div 5 \times (3 \times 2) \div 2$$

$$77) (9 \times 2) \div 3$$

$$78) 2 \times (9 \div 3)^2 - 3$$

79)  $1^2 \times (2 + 3) \div 5$

80)  $1 + 5^2 + 5 - 2$

81)  $6 - (2 + 3 - 18 \div 6)$

82)  $2^2 + 1 - 5 \div 5$

83)  $3 - (6 \times 2) \div 6 + 6$

84)  $(5 \times 5) \div (3 + 2)$

85)  $4 + 4 - 6 + 5 \times 4$

86)  $(15 \div (3 + 2) - 2) \times 3$

87)  $4 + 2 \times 3 + 3 - 1$

88)  $((1 + 2) \times 2 \times 2) \div 2$

89)  $(4 \times 2) \div (1 + 5 - 2)$

90)  $5 + 5 + 12 \div 4 \times 3$

91)  $(2 + 6) \div (2 - (5 - 5))$

92)  $6 - 2 - 1 + 2 \times 5$

93)  $5^2 + 4 - 18 \div 6$

94)  $6 \div (4 - (6 - 5)^2)$

95)  $2 + 4 \times 3 - 2 - 5$

96)  $(3 + 1) \div (2 + 5 - 3)$

97)  $4 \times ((7 - 3) \times 2) \div 4$

98)  $6 + 6 \times 6 - 4^2$

99)  $(18 - (3 - 1 + 1)) \div 5$

100)  $(9 \times 2) \div 6 + 6$

## Assignment

Date \_\_\_\_\_ Period \_\_\_\_\_

**Write each as an algebraic expression.**

1) 22 decreased by 7

$$22 - 7$$

3) the product of z and 9

$$z \cdot 9$$

5) half of 4

$$\frac{4}{2}$$

7) twice 6

$$2 \cdot 6$$

9) 8 increased by y

$$8 + y$$

11) the sum of n and 8

$$n + 8$$

13) 25 minus x

$$25 - x$$

15) 5 more than 5

$$5 + 5$$

17) the difference of 20 and 5

$$20 - 5$$

19) twice 9

$$2 \cdot 9$$

21) x increased by 7

$$x + 7$$

23) the difference of k and 24

$$k - 24$$

25) n increased by 8

$$n + 8$$

2) x minus 13

$$x - 13$$

4) 11 minus r

$$11 - r$$

6) the sum of 6 and 8

$$6 + 8$$

8) the quotient of q and 2

$$\frac{q}{2}$$

10) t times 8

$$t \cdot 8$$

12) 49 divided by 7

$$\frac{49}{7}$$

14) 42 divided by n

$$\frac{42}{n}$$

16) 4 less than x

$$x - 4$$

18) 11 increased by 7

$$11 + 7$$

20) twice 4

$$2 \cdot 4$$

22) 12 times n

$$12n$$

24) c times 6

$$c \cdot 6$$

26) 23 minus u

$$23 - u$$

27) a less than 24

$$24 - a$$

29) half of 24

$$\frac{24}{2}$$

31) the difference of 26 and 8

$$26 - 8$$

33) 4 times y

$$4y$$

35) 6 increased by u

$$6 + u$$

37) n times 7

$$n \cdot 7$$

39) a times 12

$$a \cdot 12$$

41) m increased by 5

$$m + 5$$

43) x less than 18

$$18 - x$$

45) m increased by 11

$$m + 11$$

47) the difference of 13 and 3

$$13 - 3$$

49) 3 less than n

$$n - 3$$

28) twice y

$$2y$$

30) d times 5

$$d \cdot 5$$

32) 7 less than n

$$n - 7$$

34) 7 more than n

$$n + 7$$

36) 24 divided by 6

$$\frac{24}{6}$$

38) 30 divided by 6

$$\frac{30}{6}$$

40) the difference of q and 15

$$q - 15$$

42) 16 divided by 2

$$\frac{16}{2}$$

44) twice 7

$$2 \cdot 7$$

46) the product of 2 and 7

$$2 \cdot 7$$

48) x divided by 5

$$\frac{x}{5}$$

50) the product of d and 11

$$d \cdot 11$$

**Evaluate each expression.**

51)  $3 \times 6 + 5 - (6 - 4)$

$$21$$

52)  $2 \div 2(6 + 3) + 4$

$$13$$

$53) 8 \div (6 - (4 + 2 - 2))$

4

$55) 6 \times (3 + 5) \div 2^2$

12

$57) (15 \div 5 + 2 + 6) \times 2$

22

$59) 3 + 2 + 4 - 3 - 1$

5

$61) 3 \times 8 \div (3 + 4 - 3)$

6

$63) 10 \div (1 + 4) \times 5 \times 4$

40

$65) 8 \div (2 + 3 - 3) + 1$

5

$67) 5 + 3 - 3 + 5 + 1$

11

$69) 5 + 6 - (6 + 6 - 6)$

5

$71) (8 + 1 + 1) \div (6 - 1)$

2

$73) ((8 + 2 - 1) \times 2) \div 6$

3

$75) (5 - 5 + 4 - 3) \times 6$

6

$77) (9 \times 2) \div 3$

6

$54) (18 + 4 - 1 - 5) \div 4$

4

$56) (2 + 16) \div (1 - 1 + 6)$

3

$58) 3(3 - 2 + 4) \times 2$

30

$60) 2(2 + 2) + 4 \times 6$

32

$62) 3^2 + (17 - 5) \div 6$

11

$64) 5(2 + 1) - 3 - 2$

10

$66) 3 - (3 - (3 - 4 \div 4))$

2

$68) 5 + (6 - 3) \times 5 - 2$

18

$70) (6 - 3 + 1 + 1) \div 5$

1

$72) 18 \div (5 - 2) + 2 \times 6$

18

$74) 16 \div 4 + 2(1 + 2)$

10

$76) 5 \div 5 \times (3 \times 2) \div 2$

3

$78) 2 \times (9 \div 3)^2 - 3$

15

$79) 1^2 \times (2 + 3) \div 5$

1

$80) 1 + 5^2 + 5 - 2$

29

$81) 6 - (2 + 3 - 18 \div 6)$

4

$82) 2^2 + 1 - 5 \div 5$

4

$83) 3 - (6 \times 2) \div 6 + 6$

7

$84) (5 \times 5) \div (3 + 2)$

5

$85) 4 + 4 - 6 + 5 \times 4$

22

$86) (15 \div (3 + 2) - 2) \times 3$

3

$87) 4 + 2 \times 3 + 3 - 1$

12

$88) ((1 + 2) \times 2 \times 2) \div 2$

6

$89) (4 \times 2) \div (1 + 5 - 2)$

2

$90) 5 + 5 + 12 \div 4 \times 3$

19

$91) (2 + 6) \div (2 - (5 - 5))$

4

$92) 6 - 2 - 1 + 2 \times 5$

13

$93) 5^2 + 4 - 18 \div 6$

26

$94) 6 \div (4 - (6 - 5)^2)$

2

$95) 2 + 4 \times 3 - 2 - 5$

7

$96) (3 + 1) \div (2 + 5 - 3)$

1

$97) 4 \times ((7 - 3) \times 2) \div 4$

8

$98) 6 + 6 \times 6 - 4^2$

26

$99) (18 - (3 - 1 + 1)) \div 5$

3

$100) (9 \times 2) \div 6 + 6$

9