aswer Name

Date 15-16

Answer Key

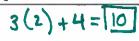
3

- Which is "3 times the difference of v and 4"

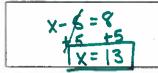
Algebra 1 Pre-Test

- B. 3 + (+++)

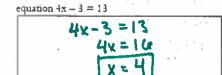
- !... Which is the prime factorization of 72
 - A 3+3+2+2+2
- B: 3-2-2-6
- C: 31-2"
- D.: 5]+4+2
- What is the value of the expression 3x 4 when



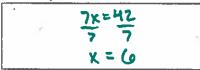
- A company prints n books at a cost of \$9 per book. What is the total cost of the books?
 - A. 19 n
- 50
- C: n + \$9
- D. 19n
- Which value of x is the solution of the equation when x-5=8



- 5. Determine which value of x is a solution of the equation 3x + 2 = 11
 - $A_{\rm c}/\kappa = 2.2$
- C_{1} $x = \pm 13$
- Determine which value of x is a solution of the

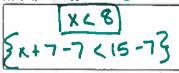


Solve the equation 7x = 42



- Solve the equation $\frac{x}{2} = 7$

10 Solve x = 7 < 15



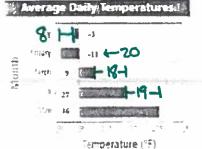
- Which algebraic equation represents the word sentence 15 less than the number of computers c
- B. 15-x=32 C-15=327
- C_{+} 15c = 32
- 13. The solution of k + 3i

 - 4K-6=340 14. When twice a number is decreased by 4, the

 \bigcirc c = 15 = 32

- result is 136. What is the number? B 116
 - A 29 5 C. 59
- D) 120
- 15. Which has the greatest value?
- A. (2+3)(2+3) B. (2-3)(2-3)
 - C. 2 3-3 2+9
- D. 2-2+3-3 4+9
- 16. If (n + 3)(9 5) = 16, then what does n equal? + 9n-5n+27-15
- C. 7
- n=1
- 17. Which is 9.1 x 10 17.
 - A. 8,100,000
- B 0.000081
- C. 510,000
- D. 0.0000081
- 18. Which of the following numbers is greater than 17
 - A -245
- B 1 000009
- C. 0 39999
- D₁ -5 \$3
- 19. Which is not a solution to -3y < 157
- B y = 12
- $D_{\rm e}/y = 45$

10. The bar graph shows the average daily temperatures in Toledo, Ohio, for five months. Between which two months did the average temperature change by the greatest amount?



- January to February B February to March March to April D. April to May
- Which number is equivalent to (-6+)



12. Which represents the phrase the difference of a number and 32? n-32

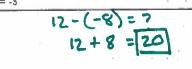
$$\lambda_{\rm m} n = 32$$

$$B = 32$$

C. m = 32

D. 32 ÷ n

23. Evaluate the expression 12 - y for the value

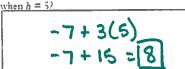


14. Which ordered pair is a solution of 2y + 3x = 8

C. (10,4)

D. (4,0)

25. Which of the following is the value of -7 + 3h



16. Solve the inequality $8x \le 24$

A. $x \le 32$

B: x < 3

C.)×≤3

D. $x \le 16$

- 27. Subtract (+4) (+12) -4+12=8
 - A 8

B. -16

Ç. -S

D. 16

28. Simplify the expression $100 - 2(4 \cdot 3^2)$

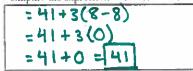
A. 3325

@ 100 - 2(4·9)

C. 52

D. 2352 (00 - 2 (36)

29. Simplify the expression $\pm 1 \pm 3(8 - 2^{1})$



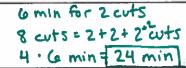
30. Write 0.0000524 in scientific notation

A. -5.24-10¹

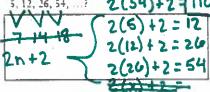
B. 5,24+10°

C. 5 24-10" (D) 5.24-10⁻¹ 5.24 × 10-5

31. It took Tina 6 minutes to saw a board into 3 equal pieces. How long would it have taken her to saw it into 9 equal pieces (HINT think about the number of cuts she must make).



32. Which is the next term in the sequence 5, 12, 26, 5+, ...?



33. Which number is less than 10

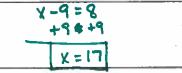
A. 212

B. 25² 10 - 10 - 10

C. 3

100.10 1,000

34. What value of x is a solution of x - 9 = 3



- 35. Claire visits her grandmother every + weeks, washes her car every 3 weeks and gets paid every 2 weeks. How often will all three things happen in the same week?
 - A: every 8 weeks B: every 9 weeks

every 12 weeks D, every 24 weeks

GCF -> 12

Answer Key

23

25

28

19

D 30

31

32 33

3+

35

+2

1,23

 Last year a factory produced 1,235,600 parts. If the company expects a 12% increase in production this year, how many parts will the factory produce:

(A) 11333,872

B. 14 827,200

C: 12,625,400

DI 1,482,720

17. Last year, Chloe earned \$45,672. Of this amount, \$6,622.44 was withheld for income taxes. What percent of Chloe's income was

A. 12%

anount saved (\$) 4000 3000 2000 1000 Ð. 2 3 4 5 6 7 Months in plan

A savings plan requires \$1000 to start plus a monthly deposit, as shown on the graph.

Membera will make 500 deposits

C. Each successive deposit is \$500 more

38. A spinner was spun 220 times. The outcome was red 58 times. Estimate the probability of the ourcome red

A. 0.225 C. 0.126

39. What is the probability of rolling an odd number on a single dice?

1/2 #15 are odd

10. Which of the following is the solution of the equation 5y = +(x - +)?

c) 5(4) = 4(10-4) 20 \$ 24 d) 5(0) = 4(4-4) / 0 = 0

 $(5 \neq 8)$ $(-10,4) \qquad (-10,0) \qquad (-10$

How old was he 5 years ago? x = 5 (x = 10) - 5 C, x = 10 D, x = 10

2. A landscaping company charges a \$35 consolation fee, plus \$50 per hour. How much would it cost to hire the company for 3 hours

$$35+50h = $$$
 $35+50(3)=35+150$

$$+ \frac{15}{185}$$