

How Did the Turtle Call for HELP When His Car Broke Down?



Write the letter of each correct answer in the box containing the exercise number. If the answer has a **●**, shade in the box instead of writing a letter.

In Exercises 1-15, solve the inequality.

1 $n + 13 < 20$

2 $n - 5 > 12$

3 $8n \leq 32$

4 $\frac{n}{6} \geq 11$

5 $n + 3.3 \leq 10.7$

6 $9n \geq 66.6$

7 $16 < n - 52$

8 $8.3 > \frac{n}{10}$

9 $9.88 \leq 4.25 + a$

10 $18a > 360$

11 $a - 2\frac{1}{2} < 17\frac{1}{2}$

12 $\frac{a}{9.2} \geq 6.5$

13 $1001 < a + 2$

14 $a - 48.4 \leq 11.4$

15 $35 > 100a$

In Exercises 16-23, write and solve an inequality for the verbal statement or problem. For problems, let x = the unknown number.

16 x plus 2.7 is greater than or equal to 9.4.

17 The product of x and 5 is less than 75.

18 The difference of x and 144 is greater than 600.

19 12.5 is less than or equal to the quotient of x and 8.

20 The sum of 99 and a number is greater than 199. Find all possible values of the number.

21 Seven tenths of a number is less than 8.4. Find all possible values of the number.

22 To win a bowling trophy, you need a 3-game total score of at least 500. On the first two games, your scores are 183 and 165. What score do you need on Game 3?

23 A freight elevator is being loaded with identical 76-pound boxes. The elevator can carry no more than 2000 pounds. How many boxes can be loaded on the elevator?

Answers 1-8

R $n < 830$

● $n \leq 4$

H $n > 68$

E $n < 7$

I $n \geq 7.4$

W $n > 72$

H $n > 17$

U $n \leq 7.4$

● $n < 83$

S $n \geq 66$

Answers 9-15

L $a > 20$

T $a > 0.35$

E $a \leq 59.8$

● $a < 20$

O $a \leq 58.6$

H $a < 0.35$

S $a \geq 59.8$

● $a < 997$

E $a \geq 5.63$

O $a > 999$

Answers 16-23

N $x > 100$

H $x \leq 26$

C $x \geq 148$

D $x < 15$

E $x \geq 100$

T $x < 29$

P $x \geq 152$

L $x \geq 6.7$

● $x > 744$

S $x < 12$

7	14	11	5	21	1	17	3	15	6	12	18	4	23	19	16	10	8	22	2	13	20	9
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