


# DID YOU HEAR ABOUT THE . . .

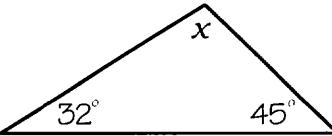
|   |   |   |   |      |
|---|---|---|---|------|
| 1 | 2 | 3 | 4 | 5    |
| 6 | 7 | 8 | 9 | 10 ? |

Solve each problem and find your answer in the answer column. Write the word next to the answer in the box containing the problem number.

- Matt is thinking of a number. The sum of this number and 7.5 is 38.2. Find Matt's number.
- Jen is thinking of a number. The product of this number and 3.4 is 176.8. Find Jen's number.
- Dan is thinking of a number. The quotient of this number and 1.8 is 31.5. Find Dan's number.
- Amy is thinking of a number. This number decreased by 18.8 is 77.2. Find Amy's number.
- Zuma earns \$12.50 an hour. How many hours must she work to earn \$500?
- Zork goes running four days a week. His goal is to run a total of 25 miles. So far this week he has run 6.7, 4.5, and 7.0 miles. How far must he run on the fourth day?
- The length of a rectangle is 3 times the width. The perimeter is 65.6 cm. Find the width.
 

$x$


- One-third of the students at Maxx Middle School play a musical instrument. If 152 students play an instrument, how many students are at the school?
- The sum of the angle measures of a triangle is  $180^\circ$ . Find the measure of the angle marked with an  $x$ .
 


- Mr. Mustard had \$185 deducted from his earnings for taxes. If he had \$576 left after the deduction, how much did he earn?

428 • FANGS

96 • IN

8.2 cm • THE

\$742 • SPOOK

30.7 • VAMPIRE

37.5 h • TROUBLE

\$761 • DOOR

9.4 cm • BLOOD

40 h • LOVE

52 • WHO

456 • GIRL

56.7 • FELL

7.1 mi • BECAUSE

 $98^\circ$  • GOBLIN

6.8 mi • WITH

 $103^\circ$  • NECKS

92.4 • GOING

# 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 |
|---|----|----|---|----|---|----|---|----|---|----|----|---|----|----|----|----|---|----|---|----|----|---|