

What Did the Beaver Say to the Tree?

Solve each inequality or problem, then find your solution in the answer column.
Write the letter of the correct answer in each box containing the exercise number.

1 $-7x + 4 \geq 18$

2 $-10 + \frac{x}{3} > -12$

3 $5 - 16x < 69$

4 $-\frac{1}{2}x - 98 \leq -99$

5 $15x - 2 < 58$

6 $4 - \frac{5}{3}x \geq -6$

- 7** Canyu Canoe Co. rents canoes for \$8 plus \$3 per hour or any part of an hour. For how many hours can you rent a canoe if you want to spend no more than \$25?

- 8** Klogg weighs 170 lb. He is loading a freight elevator with identical 69-pound boxes. The elevator can carry no more than 2000 lb. If Klogg rides up with the boxes, how many boxes can be loaded on the elevator?

- 9** Karina needs a total score of at least 627 on three games of bowling to break the league record. Suppose she bowls 222 on her first game and 194 on her second game. What score does she need on her third game to break the record?

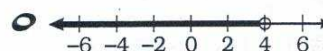
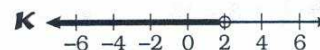
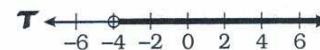
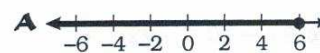
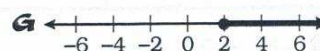
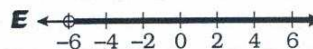
- 10** Suppose you have a mailing that you want to weigh no more than 3 oz (to reduce costs). The manila envelope you are using weighs 0.52 oz, and each sheet of paper weighs 0.18 oz. How many sheets can you put in the envelope?

- 11** For lunch Tonka has a hamburger and potato chips. The hamburger has 380 calories and each chip has 12 calories. How many chips can Tonka eat if he wants the total calories to be less than 600?

- 12** Suppose you are a salesperson for Glitz 'n Glitter. Each month you earn \$450 plus one eighth of your sales. What amount must you sell this month to earn more than \$2000?

- 13** The Mega Middle School Carnival charges \$4 for admission plus \$0.75 for each ride ticket. How many ride tickets can you buy if you want to spend at most \$20?

Answers for Exercises 1-6



Answers for 7-13

L 215 or more

I 13 or less

F $> \$13,200$

U 5 or less

N 21 or less

Y 211 or more

D 7 or less

C 18 or less

S 26 or less

M 16 or less

B $> \$12,400$

10	3	8	12	2	2	13	13	10	11	2	4	13	6	1	10	13	4	9	5	7
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What Happens When the King of Beasts Runs in Front of a Train?



Draw a line connecting each inequality to the inequality for its solution set. The line will cross a number and a letter. Write the letter in the corresponding box at the bottom of the page.

1 $-5x + 2 \leq 37$ •

2 $3x - 10 > -22$ •

3 $-9x - 4 \geq 95$ •

4 $\frac{x}{8} + 3 < 15$ •

5 $-\frac{x}{6} + 11 > 20$ •

6 $-\frac{1}{4}x - 1 \leq -9$ •

7 $5 + 16x < -59$ •

8 $\frac{1}{7}x + 2 \geq -11$ •

9 $15 - 4x \leq 95$ •

10 $\frac{2}{3}x - 20 > -6$ •

11 $1 - \frac{5}{2}x \leq 16$ •

12 $-4 + 11x \geq -125$ •

13 $-12x - 5 > -77$ •

14 $\frac{x}{27} + 10 > 8$ •

15 $-4 - \frac{3}{8}x < 26$ •

16 $13 - x \geq 33$ •

17 $-\frac{1}{16}x + 5 < -1$ •

18 $70x + 70 \leq 70$ •

• $x \geq -20$

• $x < 96$

• $x > -80$

• $x < -54$

• $x < -4$

• $x < 6$

• $x > 96$

• $x \geq -7$

• $x > 21$

• $x \geq -11$

• $x > -4$

• $x > -54$

• $x \geq 32$

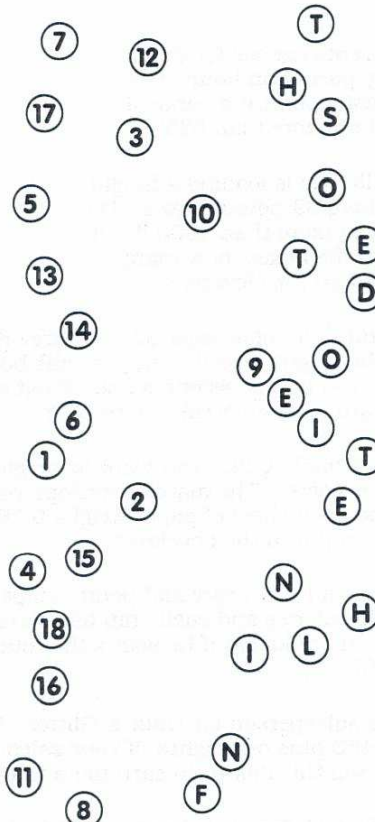
• $x \leq 0$

• $x \geq -6$

• $x \leq -11$

• $x \leq -20$

• $x \geq -91$



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
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Inequalities:
Solving Two-Step Inequalities

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