Task card 1 Inequality Word Problems

A tank holds 348 liters of water and drains 13 liters each minute. At least 75 liters must stay in the tank. Write and solve an inequality for x, the number of minutes the tank can drain.

Task card 2 Inequality Word Problems

Noah sells bracelets for $5 each. The supplies cost $25 in all. Noah wants to make a profit of more than $140. Write and solve an inequality for x, the number of bracelets Noah must sell.

Task card 3 Inequality Word Problems

Plants cost $9 each. Ava has $124 and also wants to buy a $14 watering can. What is the greatest number of plants Ava can buy?

Task card 4 Inequality Word Problems

At sunset the temperature is 48°F. It drops 2°F each hour. Write and solve an inequality for x, the number of hours after sunset when the temperature is below 34°F.

Task card 5 Inequality Word Problems

Hiro scored 85 and 78 on two quizzes. Hiro wants a mean score of at least 84 on the first three quizzes. Write and solve an inequality for x, the score Hiro needs on the third quiz.

Task card 6 Inequality Word Problems

Diego has $39 on a lunch card and spends $4 each school day. Diego wants more than $11 to be left on the card. Write and solve an inequality for x, the number of days Diego can buy lunch.

Task card 7 Inequality Word Problems

Isla needs at least 97 points to win a prize. Isla has 14 points and earns 17 points in each game. What is the least number of games Isla must play?

Task card 8 Inequality Word Problems

An elevator can carry at most 1968 kilograms. A worker who weighs 68 kilograms gets in with boxes that weigh 95 kilograms each. Write and solve an inequality for x, the number of boxes the worker can take.

Task card 9 Inequality Word Problems

A tank holds 153 liters of water and drains 9 liters each minute. At least 90 liters must stay in the tank. Write and solve an inequality for x, the number of minutes the tank can drain.

Task card 10 Inequality Word Problems

Emma sells bracelets for $10 each. The supplies cost $25 in all. Emma wants to make a profit of more than $335. Write and solve an inequality for x, the number of bracelets Emma must sell.

Task card 11 Inequality Word Problems

Comic books cost $6 each. Grace has $60 and also wants to buy a $22 poster. What is the greatest number of comic books Grace can buy?

Task card 12 Inequality Word Problems

At sunset the temperature is 58°F. It drops 4°F each hour. Write and solve an inequality for x, the number of hours after sunset when the temperature is below 30°F.

Task card 13 Inequality Word Problems

Ava scored 90 and 84 on two quizzes. Ava wants a mean score of at least 84 on the first three quizzes. Write and solve an inequality for x, the score Ava needs on the third quiz.

Task card 14 Inequality Word Problems

Kira has $58 on a lunch card and spends $8 each school day. Kira wants more than $2 to be left on the card. Write and solve an inequality for x, the number of days Kira can buy lunch.

Task card 15 Inequality Word Problems

Isla needs at least 54 points to win a prize. Isla has 11 points and earns 6 points in each game. What is the least number of games Isla must play?

Task card 16 Inequality Word Problems

An elevator can carry at most 341 kilograms. A worker who weighs 61 kilograms gets in with boxes that weigh 35 kilograms each. Write and solve an inequality for x, the number of boxes the worker can take.

Task card 17 Inequality Word Problems

A tank holds 256 liters of water and drains 18 liters each minute. At least 130 liters must stay in the tank. Write and solve an inequality for x, the number of minutes the tank can drain.

Task card 18 Inequality Word Problems

Maya sells bracelets for $6 each. The supplies cost $10 in all. Maya wants to make a profit of more than $86. Write and solve an inequality for x, the number of bracelets Maya must sell.

Task card 19 Inequality Word Problems

Notebooks cost $5 each. Grace has $50 and also wants to buy a $23 calculator. What is the greatest number of notebooks Grace can buy?

Task card 20 Inequality Word Problems

At sunset the temperature is 60°F. It drops 3°F each hour. Write and solve an inequality for x, the number of hours after sunset when the temperature is below 39°F.

Task card 21 Inequality Word Problems

Ben scored 78 and 77 on two quizzes. Ben wants a mean score of at least 80 on the first three quizzes. Write and solve an inequality for x, the score Ben needs on the third quiz.

Task card 22 Inequality Word Problems

Hiro has $80 on a lunch card and spends $6 each school day. Hiro wants more than $8 to be left on the card. Write and solve an inequality for x, the number of days Hiro can buy lunch.

Task card 23 Inequality Word Problems

Chloe needs at least 116 points to win a prize. Chloe has 45 points and earns 7 points in each game. What is the least number of games Chloe must play?

Task card 24 Inequality Word Problems

An elevator can carry at most 1412 kilograms. A worker who weighs 82 kilograms gets in with boxes that weigh 95 kilograms each. Write and solve an inequality for x, the number of boxes the worker can take.

Inequality Word Problems Task Cards

Recording sheet · Grade 7 · Write an inequality for each situation and solve it. Give the solution like x ≥ 12 (you can type >= for ≥ and <= for ≤). When the question asks for a number, write just the number.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Inequality Word Problems Task Cards: Answer Key

Grade 7 · Hard

The answers online

1. $x \leq 21$	**2.** $x > 33$	**3.** 12
4. $x > 7$	**5.** $x \geq 89$	**6.** $x < 7$
7. 5	**8.** $x \leq 20$	**9.** $x \leq 7$
10. $x > 36$	**11.** 6	**12.** $x > 7$
13. $x \geq 78$	**14.** $x < 7$	**15.** 8
16. $x \leq 8$	**17.** $x \leq 7$	**18.** $x > 16$
19. 5	**20.** $x > 7$	**21.** $x \geq 85$
22. $x < 12$	**23.** 11	**24.** $x \leq 14$