Inequality Word Problems · 1

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.

Inequality Word Problems · 2

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.

Inequality Word Problems · 3

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?

Inequality Word Problems · 4

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.

Inequality Word Problems · 5

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.

Inequality Word Problems · 6

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.

Inequality Word Problems · 7

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?

Inequality Word Problems · 8

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.

Inequality Word Problems · 2

ANSWER

$x > 33$

Inequality Word Problems · 1

ANSWER

$x \leq 21$

Inequality Word Problems · 4

ANSWER

$x > 7$

Inequality Word Problems · 3

ANSWER

12

Inequality Word Problems · 6

ANSWER

$x < 7$

Inequality Word Problems · 5

ANSWER

$x \geq 89$

Inequality Word Problems · 8

ANSWER

$x \leq 20$

Inequality Word Problems · 7

ANSWER

5

Inequality Word Problems · 9

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.

Inequality Word Problems · 10

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.

Inequality Word Problems · 11

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?

Inequality Word Problems · 12

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.

Inequality Word Problems · 13

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.

Inequality Word Problems · 14

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.

Inequality Word Problems · 15

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?

Inequality Word Problems · 16

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.

Inequality Word Problems · 10

ANSWER

$x > 36$

Inequality Word Problems · 9

ANSWER

$x \leq 7$

Inequality Word Problems · 12

ANSWER

$x > 7$

Inequality Word Problems · 11

ANSWER

6

Inequality Word Problems · 14

ANSWER

$x < 7$

Inequality Word Problems · 13

ANSWER

$x \geq 78$

Inequality Word Problems · 16

ANSWER

$x \leq 8$

Inequality Word Problems · 15

ANSWER

8

Inequality Word Problems · 17

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.

Inequality Word Problems · 18

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.

Inequality Word Problems · 19

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?

Inequality Word Problems · 20

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.

Inequality Word Problems · 21

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.

Inequality Word Problems · 22

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.

Inequality Word Problems · 23

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?

Inequality Word Problems · 24

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 · 18

ANSWER

$x > 16$

Inequality Word Problems · 17

ANSWER

$x \leq 7$

Inequality Word Problems · 20

ANSWER

$x > 7$

Inequality Word Problems · 19

ANSWER

5

Inequality Word Problems · 22

ANSWER

$x < 12$

Inequality Word Problems · 21

ANSWER

$x \geq 85$

Inequality Word Problems · 24

ANSWER

$x \leq 14$

Inequality Word Problems · 23

ANSWER

11