Inequality Word Problems · 1

A bowling alley charges $6 to rent shoes plus $10 for each game. Isla can spend at most $46. Write and solve an inequality for x, the number of games Isla can bowl.

Inequality Word Problems · 2

Jamal sells bracelets for $5 each. The supplies cost $15 in all. Jamal wants to make a profit of more than $35. Write and solve an inequality for x, the number of bracelets Jamal must sell.

Inequality Word Problems · 3

A truck and its load must weigh less than 23 tons to cross a bridge. The empty truck weighs 7 tons. Write and solve an inequality for x, the weight of the load in tons.

Inequality Word Problems · 4

Emma has $25 and saves $16 more each week. Emma wants to have at least $105 for a tablet. Write and solve an inequality for x, the number of weeks Emma must save.

Inequality Word Problems · 5

Paintbrushes cost $10 each. Chloe has $108 and also wants to buy a $22 canvas. What is the greatest number of paintbrushes Chloe can buy?

Inequality Word Problems · 6

An elevator can carry at most 835 kilograms. A worker who weighs 85 kilograms gets in with boxes that weigh 50 kilograms each. Write and solve an inequality for x, the number of boxes the worker can take.

Inequality Word Problems · 7

A phone plan costs $35 per month plus $4 for each gigabyte of data. Diego wants the monthly bill to be less than $63. Write and solve an inequality for x, the number of gigabytes Diego can use.

Inequality Word Problems · 8

Diego needs at least 161 points to win a prize. Diego has 32 points and earns 12 points in each game. What is the least number of games Diego must play?

Inequality Word Problems · 2

ANSWER

$x > 10$

Inequality Word Problems · 1

ANSWER

$x \leq 4$

Inequality Word Problems · 4

ANSWER

$x \geq 5$

Inequality Word Problems · 3

ANSWER

$x < 16$

Inequality Word Problems · 6

ANSWER

$x \leq 15$

Inequality Word Problems · 5

ANSWER

8

Inequality Word Problems · 8

ANSWER

11

Inequality Word Problems · 7

ANSWER

$x < 7$

Inequality Word Problems · 9

Maya has $155 and saves $26 more each week. Maya wants to have at least $259 for a tablet. Write and solve an inequality for x, the number of weeks Maya must save.

Inequality Word Problems · 10

A tank holds 185 liters of water and drains 5 liters each minute. At least 145 liters must stay in the tank. Write and solve an inequality for x, the number of minutes the tank can drain.

Inequality Word Problems · 11

Ben sells bracelets for $4 each. The supplies cost $25 in all. Ben wants to make a profit of more than $71. Write and solve an inequality for x, the number of bracelets Ben must sell.

Inequality Word Problems · 12

Plants cost $10 each. Farid has $120 and also wants to buy a $14 watering can. What is the greatest number of plants Farid can buy?

Inequality Word Problems · 13

Jamal has $32 on a lunch card and spends $4 each school day. Jamal wants more than $4 to be left on the card. Write and solve an inequality for x, the number of days Jamal can buy lunch.

Inequality Word Problems · 14

A phone plan costs $15 per month plus $6 for each gigabyte of data. Ben wants the monthly bill to be less than $39. Write and solve an inequality for x, the number of gigabytes Ben can use.

Inequality Word Problems · 15

Maya scored 70 and 78 on two quizzes. Maya wants a mean score of at least 78 on the first three quizzes. Write and solve an inequality for x, the score Maya needs on the third quiz.

Inequality Word Problems · 16

Grace needs at least 84 points to win a prize. Grace has 34 points and earns 7 points in each game. What is the least number of games Grace must play?

Inequality Word Problems · 10

ANSWER

$x \leq 8$

Inequality Word Problems · 9

ANSWER

$x \geq 4$

Inequality Word Problems · 12

ANSWER

10

Inequality Word Problems · 11

ANSWER

$x > 24$

Inequality Word Problems · 14

ANSWER

$x < 4$

Inequality Word Problems · 13

ANSWER

$x < 7$

Inequality Word Problems · 16

ANSWER

8

Inequality Word Problems · 15

ANSWER

$x \geq 86$

Inequality Word Problems · 17

Emma has $75 and saves $5 more each week. Emma wants to have at least $90 for a tablet. Write and solve an inequality for x, the number of weeks Emma must save.

Inequality Word Problems · 18

A tank holds 284 liters of water and drains 11 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 · 19

Chloe sells bracelets for $8 each. The supplies cost $30 in all. Chloe wants to make a profit of more than $114. Write and solve an inequality for x, the number of bracelets Chloe must sell.

Inequality Word Problems · 20

Notebooks cost $7 each. Maya has $65 and also wants to buy a $25 calculator. What is the greatest number of notebooks Maya can buy?

Inequality Word Problems · 21

Maya has $57 on a lunch card and spends $6 each school day. Maya wants more than $9 to be left on the card. Write and solve an inequality for x, the number of days Maya can buy lunch.

Inequality Word Problems · 22

A phone plan costs $20 per month plus $7 for each gigabyte of data. Ava wants the monthly bill to be less than $104. Write and solve an inequality for x, the number of gigabytes Ava can use.

Inequality Word Problems · 23

Ben scored 97 and 82 on two quizzes. Ben wants a mean score of at least 91 on the first three quizzes. Write and solve an inequality for x, the score Ben needs on the third quiz.

Inequality Word Problems · 24

Noah needs at least 109 points to win a prize. Noah has 49 points and earns 17 points in each game. What is the least number of games Noah must play?

Inequality Word Problems · 18

ANSWER

$x \leq 19$

Inequality Word Problems · 17

ANSWER

$x \geq 3$

Inequality Word Problems · 20

ANSWER

5

Inequality Word Problems · 19

ANSWER

$x > 18$

Inequality Word Problems · 22

ANSWER

$x < 12$

Inequality Word Problems · 21

ANSWER

$x < 8$

Inequality Word Problems · 24

ANSWER

4

Inequality Word Problems · 23

ANSWER

$x \geq 94$