Word Problems · 1

A school play sold 37 tickets for $215. Adult tickets (x) cost $8 and student tickets (y) cost $5. How many of each were sold?

Word Problems · 2

Mia (x) is 48 years older than her cousin Leo (y). Together their ages add up to 96. How old is each?

Word Problems · 3

The sum of two numbers x and y is 26 and their difference x − y is 10. Find x and y.

Word Problems · 4

A test has 28 questions worth 104 points in all. Some are worth 2 points (x) and the rest 5 points (y). How many of each kind are there?

Word Problems · 5

A rental shop has bicycles (x) and tricycles (y). There are 41 of them with 94 wheels in total. How many bicycles and tricycles are there?

Word Problems · 6

A farm has chickens (x) and cows (y). There are 28 heads and 86 legs. How many chickens and cows are there?

Word Problems · 7

A jar has 34 coins, all quarters (x) and dimes (y). Together they are worth 640 cents. How many of each coin are there?

Word Problems · 8

Sandwiches (x) cost $4 and drinks (y) cost $2. A group buys 38 items for $106. How many sandwiches and drinks did they buy?

Word Problems · 2

ANSWER

$x = 72, y = 24$

Word Problems · 1

ANSWER

$x = 10, y = 27$

Word Problems · 4

ANSWER

$x = 12, y = 16$

Word Problems · 3

ANSWER

$x = 18, y = 8$

Word Problems · 6

ANSWER

$x = 13, y = 15$

Word Problems · 5

ANSWER

$x = 29, y = 12$

Word Problems · 8

ANSWER

$x = 15, y = 23$

Word Problems · 7

ANSWER

$x = 20, y = 14$

Word Problems · 9

A farm has chickens (x) and cows (y). There are 28 heads and 66 legs. How many chickens and cows are there?

Word Problems · 10

A rental shop has bicycles (x) and tricycles (y). There are 24 of them with 56 wheels in total. How many bicycles and tricycles are there?

Word Problems · 11

The sum of two numbers x and y is 28 and their difference x − y is 6. Find x and y.

Word Problems · 12

A school play sold 32 tickets for $193. Adult tickets (x) cost $8 and student tickets (y) cost $5. How many of each were sold?

Word Problems · 13

A test has 37 questions worth 128 points in all. Some are worth 2 points (x) and the rest 5 points (y). How many of each kind are there?

Word Problems · 14

A jar has 18 coins, all quarters (x) and dimes (y). Together they are worth 360 cents. How many of each coin are there?

Word Problems · 15

Mia (x) is 14 years older than her cousin Leo (y). Together their ages add up to 38. How old is each?

Word Problems · 16

Sandwiches (x) cost $4 and drinks (y) cost $2. A group buys 44 items for $144. How many sandwiches and drinks did they buy?

Word Problems · 10

ANSWER

$x = 16, y = 8$

Word Problems · 9

ANSWER

$x = 23, y = 5$

Word Problems · 12

ANSWER

$x = 11, y = 21$

Word Problems · 11

ANSWER

$x = 17, y = 11$

Word Problems · 14

ANSWER

$x = 12, y = 6$

Word Problems · 13

ANSWER

$x = 19, y = 18$

Word Problems · 16

ANSWER

$x = 28, y = 16$

Word Problems · 15

ANSWER

$x = 26, y = 12$

Word Problems · 17

A farm has chickens (x) and cows (y). There are 41 heads and 110 legs. How many chickens and cows are there?

Word Problems · 18

The sum of two numbers x and y is 53 and their difference x − y is 3. Find x and y.

Word Problems · 19

Sandwiches (x) cost $4 and drinks (y) cost $2. A group buys 12 items for $42. How many sandwiches and drinks did they buy?

Word Problems · 20

A test has 32 questions worth 100 points in all. Some are worth 2 points (x) and the rest 5 points (y). How many of each kind are there?

Word Problems · 21

A jar has 49 coins, all quarters (x) and dimes (y). Together they are worth 850 cents. How many of each coin are there?

Word Problems · 22

A rental shop has bicycles (x) and tricycles (y). There are 29 of them with 65 wheels in total. How many bicycles and tricycles are there?

Word Problems · 23

A school play sold 39 tickets for $228. Adult tickets (x) cost $8 and student tickets (y) cost $5. How many of each were sold?

Word Problems · 24

Mia (x) is 23 years older than her cousin Leo (y). Together their ages add up to 27. How old is each?

Word Problems · 18

ANSWER

$x = 28, y = 25$

Word Problems · 17

ANSWER

$x = 27, y = 14$

Word Problems · 20

ANSWER

$x = 20, y = 12$

Word Problems · 19

ANSWER

$x = 9, y = 3$

Word Problems · 22

ANSWER

$x = 22, y = 7$

Word Problems · 21

ANSWER

$x = 24, y = 25$

Word Problems · 24

ANSWER

$x = 25, y = 2$

Word Problems · 23

ANSWER

$x = 11, y = 28$