Word Problems · 1

A farm has chickens (x) and cows (y). There are 5 heads and 16 legs. How many chickens and cows are there?

Word Problems · 2

A rental shop has bicycles (x) and tricycles (y). There are 15 of them with 39 wheels in total. How many bicycles and tricycles are there?

Word Problems · 3

A jar has 9 coins, all quarters (x) and dimes (y). Together they are worth 135 cents. How many of each coin are there?

Word Problems · 4

A school play sold 14 tickets for $85. Adult tickets (x) cost $8 and student tickets (y) cost $5. How many of each were sold?

Word Problems · 5

The sum of two numbers x and y is 22 and their difference $x - y$ is 4. Find x and y.

Word Problems · 6

A test has 12 questions worth 39 points in all. Some are worth 2 points (x) and the rest 5 points (y). How many of each kind are there?

Word Problems · 7

Mia (x) is 21 years older than her cousin Leo (y). Together their ages add up to 43. How old is each?

Word Problems · 8

Sandwiches (x) cost $4 and drinks (y) cost $2. A group buys 22 items for $66. How many sandwiches and drinks did they buy?

Word Problems · 2

ANSWER

$x = 6, y = 9$

Word Problems · 1

ANSWER

$x = 2, y = 3$

Word Problems · 4

ANSWER

$x = 5, y = 9$

Word Problems · 3

ANSWER

$x = 3, y = 6$

Word Problems · 6

ANSWER

$x = 7, y = 5$

Word Problems · 5

ANSWER

$x = 13, y = 9$

Word Problems · 8

ANSWER

$x = 11, y = 11$

Word Problems · 7

ANSWER

$x = 32, y = 11$

Word Problems · 9

The sum of two numbers x and y is 28 and their difference x − y is 10. Find x and y.

Word Problems · 10

Sandwiches (x) cost $4 and drinks (y) cost $2. A group buys 20 items for $52. How many sandwiches and drinks did they buy?

Word Problems · 11

A school play sold 14 tickets for $97. Adult tickets (x) cost $8 and student tickets (y) cost $5. How many of each were sold?

Word Problems · 12

A farm has chickens (x) and cows (y). There are 22 heads and 64 legs. How many chickens and cows are there?

Word Problems · 13

Mia (x) is 21 years older than her cousin Leo (y). Together their ages add up to 49. How old is each?

Word Problems · 14

A rental shop has bicycles (x) and tricycles (y). There are 20 of them with 47 wheels in total. How many bicycles and tricycles are there?

Word Problems · 15

A test has 26 questions worth 94 points in all. Some are worth 2 points (x) and the rest 5 points (y). How many of each kind are there?

Word Problems · 16

A jar has 24 coins, all quarters (x) and dimes (y). Together they are worth 420 cents. How many of each coin are there?

Word Problems · 10

ANSWER

x = 6, y = 14

Word Problems · 9

ANSWER

x = 19, y = 9

Word Problems · 12

ANSWER

x = 12, y = 10

Word Problems · 11

ANSWER

x = 9, y = 5

Word Problems · 14

ANSWER

x = 13, y = 7

Word Problems · 13

ANSWER

x = 35, y = 14

Word Problems · 16

ANSWER

x = 12, y = 12

Word Problems · 15

ANSWER

x = 12, y = 14

Word Problems · 17

A farm has chickens (x) and cows (y). There are 26 heads and 74 legs. How many chickens and cows are there?

Word Problems · 18

Sandwiches (x) cost $4 and drinks (y) cost $2. A group buys 22 items for $64. How many sandwiches and drinks did they buy?

Word Problems · 19

A rental shop has bicycles (x) and tricycles (y). There are 28 of them with 71 wheels in total. How many bicycles and tricycles are there?

Word Problems · 20

A jar has 22 coins, all quarters (x) and dimes (y). Together they are worth 385 cents. How many of each coin are there?

Word Problems · 21

Mia (x) is 23 years older than her cousin Leo (y). Together their ages add up to 37. How old is each?

Word Problems · 22

A school play sold 17 tickets for $103. Adult tickets (x) cost $8 and student tickets (y) cost $5. How many of each were sold?

Word Problems · 23

The sum of two numbers x and y is 34 and their difference $x - y$ is 10. Find x and y.

Word Problems · 24

A test has 13 questions worth 41 points in all. Some are worth 2 points (x) and the rest 5 points (y). How many of each kind are there?

Word Problems · 18

ANSWER

x = 10, y = 12

Word Problems · 17

ANSWER

x = 15, y = 11

Word Problems · 20

ANSWER

x = 11, y = 11

Word Problems · 19

ANSWER

x = 13, y = 15

Word Problems · 22

ANSWER

x = 6, y = 11

Word Problems · 21

ANSWER

x = 30, y = 7

Word Problems · 24

ANSWER

x = 8, y = 5

Word Problems · 23

ANSWER

x = 22, y = 12