Word Problems · 1

A rental shop has bicycles (x) and tricycles (y). There are 24 of them with 60 wheels in total. How many bicycles and tricycles are there?

Word Problems · 2

Sandwiches (x) cost $4 and drinks (y) cost $2. A group buys 19 items for $60. How many sandwiches and drinks did they buy?

Word Problems · 3

A school play sold 24 tickets for $174. Adult tickets (x) cost $8 and student tickets (y) cost $5. How many of each were sold?

Word Problems · 4

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

Word Problems · 5

A farm has chickens (x) and cows (y). There are 16 heads and 38 legs. How many chickens and cows are there?

Word Problems · 6

Mia (x) is 20 years older than her cousin Leo (y). Together their ages add up to 50. How old is each?

Word Problems · 7

A jar has 20 coins, all quarters (x) and dimes (y). Together they are worth 470 cents. How many of each coin are there?

Word Problems · 8

A test has 34 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 · 2

ANSWER

$x = 11, y = 8$

Word Problems · 1

ANSWER

$x = 12, y = 12$

Word Problems · 4

ANSWER

$x = 13, y = 9$

Word Problems · 3

ANSWER

$x = 18, y = 6$

Word Problems · 6

ANSWER

$x = 35, y = 15$

Word Problems · 5

ANSWER

$x = 13, y = 3$

Word Problems · 8

ANSWER

$x = 14, y = 20$

Word Problems · 7

ANSWER

$x = 18, y = 2$

Word Problems · 9

A school play sold 29 tickets for $202. Adult tickets (x) cost $8 and student tickets (y) cost $5. How many of each were sold?

Word Problems · 10

A jar has 23 coins, all quarters (x) and dimes (y). Together they are worth 545 cents. How many of each coin are there?

Word Problems · 11

A rental shop has bicycles (x) and tricycles (y). There are 5 of them with 13 wheels in total. How many bicycles and tricycles are there?

Word Problems · 12

The sum of two numbers x and y is 34 and their difference x − y is 16. Find x and y.

Word Problems · 13

A test has 20 questions worth 61 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

Mia (x) is 28 years older than her cousin Leo (y). Together their ages add up to 74. How old is each?

Word Problems · 15

Sandwiches (x) cost $4 and drinks (y) cost $2. A group buys 27 items for $88. How many sandwiches and drinks did they buy?

Word Problems · 16

A farm has chickens (x) and cows (y). There are 16 heads and 44 legs. How many chickens and cows are there?

Word Problems · 10

ANSWER

x = 21, y = 2

Word Problems · 9

ANSWER

x = 19, y = 10

Word Problems · 12

ANSWER

x = 25, y = 9

Word Problems · 11

ANSWER

x = 2, y = 3

Word Problems · 14

ANSWER

x = 51, y = 23

Word Problems · 13

ANSWER

x = 13, y = 7

Word Problems · 16

ANSWER

x = 10, y = 6

Word Problems · 15

ANSWER

x = 17, y = 10

Word Problems · 17

A school play sold 18 tickets for $117. Adult tickets (x) cost $8 and student tickets (y) cost $5. How many of each were sold?

Word Problems · 18

The sum of two numbers x and y is 37 and their difference x − y is 3. Find x and y.

Word Problems · 19

A jar has 14 coins, all quarters (x) and dimes (y). Together they are worth 245 cents. How many of each coin are there?

Word Problems · 20

A test has 30 questions worth 105 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

Mia (x) is 10 years older than her cousin Leo (y). Together their ages add up to 24. How old is each?

Word Problems · 22

Sandwiches (x) cost $4 and drinks (y) cost $2. A group buys 24 items for $82. How many sandwiches and drinks did they buy?

Word Problems · 23

A rental shop has bicycles (x) and tricycles (y). There are 8 of them with 18 wheels in total. How many bicycles and tricycles are there?

Word Problems · 24

A farm has chickens (x) and cows (y). There are 29 heads and 90 legs. How many chickens and cows are there?

Word Problems · 18

ANSWER

x = 20, y = 17

Word Problems · 17

ANSWER

x = 9, y = 9

Word Problems · 20

ANSWER

x = 15, y = 15

Word Problems · 19

ANSWER

x = 7, y = 7

Word Problems · 22

ANSWER

x = 17, y = 7

Word Problems · 21

ANSWER

x = 17, y = 7

Word Problems · 24

ANSWER

x = 13, y = 16

Word Problems · 23

ANSWER

x = 6, y = 2