Task card 1 Systems of Equations Word Problems

The sum of two numbers is 41 and their difference is 11. What is the smaller number?

Task card 2 Systems of Equations Word Problems

A school play sold 50 tickets. Adult tickets cost $8 and child tickets cost $5. The play earned $280. How many adult tickets were sold?

Task card 3 Systems of Equations Word Problems

Mia has 27 coins, all dimes and quarters, worth $5.10 in total. How many quarters does she have?

Task card 4 Systems of Equations Word Problems

The sum of two numbers is 12 and their difference is 2. What is the smaller number?

Task card 5 Systems of Equations Word Problems

A school play sold 42 tickets. Adult tickets cost $12 and child tickets cost $10. The play earned $482. How many child tickets were sold?

Task card 6 Systems of Equations Word Problems

A test has 13 questions worth 38 points in all. Some questions are worth 2 points and the rest are worth 5 points. How many 5-point questions are on the test?

Task card 7 Systems of Equations Word Problems

Gym A charges a $22 joining fee plus $28 per month. Gym B charges a $148 joining fee plus $7 per month. After how many months do the two gyms cost the same?

Task card 8 Systems of Equations Word Problems

A farm has chickens and cows. Together they have 16 heads and 48 legs. How many chickens are on the farm?

Task card 9 Systems of Equations Word Problems

A school play sold 37 tickets. Adult tickets cost $8 and child tickets cost $6. The play earned $270. How many child tickets were sold?

Task card 10 Systems of Equations Word Problems

A school play sold 41 tickets. Adult tickets cost $14 and child tickets cost $5. The play earned $358. How many child tickets were sold?

Task card 11 Systems of Equations Word Problems

A test has 24 questions worth 69 points in all. Some questions are worth 2 points and the rest are worth 5 points. How many 5-point questions are on the test?

Task card 12 Systems of Equations Word Problems

The sum of two numbers is 37 and their difference is 21. What is the smaller number?

Task card 13 Systems of Equations Word Problems

A farm has chickens and cows. Together they have 26 heads and 66 legs. How many cows are on the farm?

Task card 14 Systems of Equations Word Problems

Gym A charges a $33 joining fee plus $32 per month. Gym B charges a $58 joining fee plus $27 per month. After how many months do the two gyms cost the same?

Task card 15 Systems of Equations Word Problems

Mia has 22 coins, all dimes and quarters, worth $4.45 in total. How many quarters does she have?

Task card 16 Systems of Equations Word Problems

The sum of two numbers is 12 and their difference is 4. What is the smaller number?

Task card 17 Systems of Equations Word Problems

A test has 50 questions worth 148 points in all. Some questions are worth 2 points and the rest are worth 5 points. How many 5-point questions are on the test?

Task card 18 Systems of Equations Word Problems

The sum of two numbers is 46 and their difference is 28. What is the smaller number?

Task card 19 Systems of Equations Word Problems

A school play sold 103 tickets. Adult tickets cost $13 and child tickets cost $6. The play earned $814. How many adult tickets were sold?

Task card 20 Systems of Equations Word Problems

A farm has chickens and cows. Together they have 38 heads and 90 legs. How many cows are on the farm?

Task card 21 Systems of Equations Word Problems

Mia has 65 coins, all dimes and quarters, worth $11.90 in total. How many quarters does she have?

Task card 22 Systems of Equations Word Problems

Gym A charges a $21 joining fee plus $23 per month. Gym B charges a $101 joining fee plus $13 per month. After how many months do the two gyms cost the same?

Task card 23 Systems of Equations Word Problems

A school play sold 105 tickets. Adult tickets cost $10 and child tickets cost $5. The play earned $680. How many adult tickets were sold?

Task card 24 Systems of Equations Word Problems

The sum of two numbers is 32 and their difference is 26. What is the smaller number?

Systems of Equations Word Problems Task Cards

Recording sheet · Grade 8 · Write a system of equations for each story, solve it, and answer the question with a number.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Systems of Equations Word Problems Task Cards: Answer Key

Grade 8 · Easy

The answers online

1. 15	**2.** 10	**3.** 16
4. 5	**5.** 11	**6.** 4
7. 6	**8.** 8	**9.** 13
10. 24	**11.** 7	**12.** 8
13. 7	**14.** 5	**15.** 15
16. 4	**17.** 16	**18.** 9
19. 28	**20.** 7	**21.** 36
22. 8	**23.** 31	**24.** 3