Task card 1 Systems of Equations Word Problems

Gym A charges a $24 joining fee plus $34 per month. Gym B charges a $72 joining fee plus $26 per month. After how many months do the two gyms cost the same?

Task card 2 Systems of Equations Word Problems

A school play sold 139 tickets. Adult tickets cost $13 and child tickets cost $9. The play earned $1491. How many adult tickets were sold?

Task card 3 Systems of Equations Word Problems

The sum of two numbers is 15 and their difference is 9. What is the smaller number?

Task card 4 Systems of Equations Word Problems

A farm has chickens and cows. Together they have 37 heads and 84 legs. How many cows are on the farm?

Task card 5 Systems of Equations Word Problems

A test has 26 questions worth 91 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 6 Systems of Equations Word Problems

A school play sold 62 tickets. Adult tickets cost $10 and child tickets cost $7. The play earned $575. How many child tickets were sold?

Task card 7 Systems of Equations Word Problems

The sum of two numbers is 108 and their difference is 12. What is the smaller number?

Task card 8 Systems of Equations Word Problems

Mia has 41 coins, all dimes and quarters, worth $7.55 in total. How many quarters does she have?

Task card 9 Systems of Equations Word Problems

Gym A charges a $33 joining fee plus $20 per month. Gym B charges a $129 joining fee plus $8 per month. After how many months do the two gyms cost the same?

Task card 10 Systems of Equations Word Problems

A school play sold 89 tickets. Adult tickets cost $14 and child tickets cost $11. The play earned $1051. How many adult tickets were sold?

Task card 11 Systems of Equations Word Problems

A test has 22 questions worth 65 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 75. The larger number is 3 more than 3 times the smaller number. What is the larger number?

Task card 13 Systems of Equations Word Problems

A farm has chickens and cows. Together they have 27 heads and 66 legs. How many chickens are on the farm?

Task card 14 Systems of Equations Word Problems

A school play sold 113 tickets. Adult tickets cost $8 and child tickets cost $5. The play earned $700. How many adult tickets were sold?

Task card 15 Systems of Equations Word Problems

The sum of two numbers is 62. The larger number is 8 more than 2 times the smaller number. What is the larger number?

Task card 16 Systems of Equations Word Problems

Mia has 44 coins, all dimes and quarters, worth $8.15 in total. How many quarters does she have?

Task card 17 Systems of Equations Word Problems

A school play sold 117 tickets. Adult tickets cost $10 and child tickets cost $3. The play earned $519. How many child tickets were sold?

Task card 18 Systems of Equations Word Problems

Mia has 57 coins, all dimes and quarters, worth $10.35 in total. How many quarters does she have?

Task card 19 Systems of Equations Word Problems

A school play sold 133 tickets. Adult tickets cost $11 and child tickets cost $5. The play earned $1163. How many child tickets were sold?

Task card 20 Systems of Equations Word Problems

Gym A charges a $26 joining fee plus $21 per month. Gym B charges a $104 joining fee plus $8 per month. After how many months do the two gyms cost the same?

Task card 21 Systems of Equations Word Problems

A farm has chickens and cows. Together they have 23 heads and 64 legs. How many cows are on the farm?

Task card 22 Systems of Equations Word Problems

The sum of two numbers is 75. The larger number is 10 more than 4 times the smaller number. What is the larger number?

Task card 23 Systems of Equations Word Problems

The sum of two numbers is 53. The larger number is 9 more than 3 times the smaller number. What is the larger number?

Task card 24 Systems of Equations Word Problems

A test has 68 questions worth 184 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?

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 · Medium

The answers online

1. 6	**2.** 60	**3.** 3
4. 5	**5.** 13	**6.** 15
7. 48	**8.** 23	**9.** 8
10. 24	**11.** 7	**12.** 57
13. 21	**14.** 45	**15.** 44
16. 25	**17.** 93	**18.** 31
19. 50	**20.** 6	**21.** 9
22. 62	**23.** 42	**24.** 16