Task card 1 Systems of Equations Word Problems

A farm has chickens and cows. Together they have 63 heads and 202 legs. How many cows are on the farm?

Task card 2 Systems of Equations Word Problems

The sum of two numbers is 51. The larger number is 3 more than 3 times the smaller number. What is the larger number?

Task card 3 Systems of Equations Word Problems

A test has 66 questions worth 201 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 4 Systems of Equations Word Problems

A school play sold 161 tickets. Adult tickets cost $15 and child tickets cost $11. The play earned $2107. How many child tickets were sold?

Task card 5 Systems of Equations Word Problems

Gym A charges a $40 joining fee plus $38 per month. Gym B charges a $376 joining fee plus $17 per month. After how many months do the two gyms cost the same?

Task card 6 Systems of Equations Word Problems

A school play sold 103 tickets. Adult tickets cost $9 and child tickets cost $6. The play earned $768. How many adult tickets were sold?

Task card 7 Systems of Equations Word Problems

Mia has 51 coins, all dimes and quarters, worth $8.10 in total. How many quarters does she have?

Task card 8 Systems of Equations Word Problems

The sum of two numbers is 80. The larger number is 5 more than 2 times the smaller number. What is the larger number?

Task card 9 Systems of Equations Word Problems

The sum of two numbers is 18. The larger number is 3 more than 4 times the smaller number. What is the larger number?

Task card 10 Systems of Equations Word Problems

A school play sold 208 tickets. Adult tickets cost $8 and child tickets cost $5. The play earned $1385. How many child tickets were sold?

Task card 11 Systems of Equations Word Problems

A farm has chickens and cows. Together they have 75 heads and 228 legs. How many cows are on the farm?

Task card 12 Systems of Equations Word Problems

Gym A charges a $28 joining fee plus $32 per month. Gym B charges a $97 joining fee plus $9 per month. After how many months do the two gyms cost the same?

Task card 13 Systems of Equations Word Problems

A school play sold 133 tickets. Adult tickets cost $14 and child tickets cost $12. The play earned $1778. How many adult tickets were sold?

Task card 14 Systems of Equations Word Problems

Mia has 81 coins, all dimes and quarters, worth $15.90 in total. How many quarters does she have?

Task card 15 Systems of Equations Word Problems

The sum of two numbers is 121. The larger number is 5 more than 3 times the smaller number. What is the larger number?

Task card 16 Systems of Equations Word Problems

A test has 44 questions worth 109 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 17 Systems of Equations Word Problems

The sum of two numbers is 65. The larger number is 1 more than 3 times the smaller number. What is the larger number?

Task card 18 Systems of Equations Word Problems

A school play sold 113 tickets. Adult tickets cost $15 and child tickets cost $7. The play earned $959. How many adult tickets were sold?

Task card 19 Systems of Equations Word Problems

The sum of two numbers is 148. The larger number is 13 more than 4 times the smaller number. What is the larger number?

Task card 20 Systems of Equations Word Problems

A test has 53 questions worth 175 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 21 Systems of Equations Word Problems

A school play sold 87 tickets. Adult tickets cost $15 and child tickets cost $7. The play earned $1089. How many child tickets were sold?

Task card 22 Systems of Equations Word Problems

A farm has chickens and cows. Together they have 38 heads and 104 legs. How many chickens are on the farm?

Task card 23 Systems of Equations Word Problems

Gym A charges a $23 joining fee plus $22 per month. Gym B charges a $95 joining fee plus $13 per month. After how many months do the two gyms cost the same?

Task card 24 Systems of Equations Word Problems

Mia has 31 coins, all dimes and quarters, worth $4.45 in total. How many quarters does she have?

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 · Hard

The answers online

1. 38	**2.** 39	**3.** 23
4. 77	**5.** 16	**6.** 50
7. 20	**8.** 55	**9.** 15
10. 93	**11.** 39	**12.** 3
13. 91	**14.** 52	**15.** 92
16. 7	**17.** 49	**18.** 21
19. 121	**20.** 23	**21.** 27
22. 24	**23.** 8	**24.** 9