LESSON MAKER PRO

Two-Step Stories

Find the answer, write an equation, and check your thinking.

GRADE 3 · 3.OA.8

3.OA.8 "Solve two-step (two operational steps) word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity..."

NAME _____ DATE _____

TWO STEPS, ONE ANSWER

First, find the amount you need for the next step. Write an equation with ___ for the unknown, then solve it. Round numbers to check whether your answer makes sense.

WORKED EXAMPLE

A class has 4 packs of 11 pencils. It gives away 12 pencils. How many pencils are left?

1. 4 x 11 = 44 pencils
2. 44 - 12 = ___
3. ___ = 32 pencils
4. Check: 44 is near 40, and 12 is near 10. The answer should be near 30.

Answer: 32 pencils

PRACTICE 6 problems

1 Two packs hold 14 stickers each. You give away 10 stickers. How many are left? Write an equation with ___ and solve.

ANSWER _____

2 You have 20 cards and get 16 more. You share all the cards equally with one friend. How many cards does each of you get? Write an equation with ___ and solve.

ANSWER _____

3 Six teams have 2 players each. Then 3 more players join. How many players are there now? Write an equation with ___ and solve.

ANSWER _____

4 You put 24 beads equally into 3 jars. Then you add 13 beads to one jar. How many beads are in that jar? Write an equation with ___ and solve.

ANSWER _____

5 Mila has $50. She buys 2 games for $15 each. How much money does she have left? Write an equation with ___ and solve.

ANSWER _____

6 You pack 42 markers equally into 3 bins. Then you take 8 markers out of one bin. How many markers remain in that bin? Write an equation with ___ and solve.

ANSWER _____

APPLY IT Show your work

1 At the school fair, 6 friends each earn 13 prize tickets. They spend 28 tickets on a prize. How many tickets do they have left? Write an equation with ___ and use an estimate to check.

WORK SPACE

ANSWER _____

2 A craft booth earns $36, and a game booth earns $22. The school fair splits the money equally between 2 clubs. How much does each club get? Write an equation with ___ and solve.

WORK SPACE

ANSWER _____

CHALLENGE One step up

An after-school club has $80. It buys 6 kits for $13 each. Ari says the club has $20 left. Is Ari correct? Write an equation with ___, solve it, and use an estimate to explain your answer in one sentence.

WORK SPACE AND ANSWER

ANSWER KEY

Two-Step Stories

GRADE 3 · 3.OA.8

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Two packs hold 14 stickers each. You give away 10 stickers. How many are left? Write an equation with ___ and solve.	**(2 x 14) - 10 = ___; ___ = 18 stickers**
2	You have 20 cards and get 16 more. You share all the cards equally with one friend. How many cards does each of you get? Write an equation with ___ and solve.	**(20 + 16) / 2 = ___; ___ = 18 cards**
3	Six teams have 2 players each. Then 3 more players join. How many players are there now? Write an equation with ___ and solve.	**(6 x 2) + 3 = ___; ___ = 15 players**
4	You put 24 beads equally into 3 jars. Then you add 13 beads to one jar. How many beads are in that jar? Write an equation with ___ and solve.	**(24 / 3) + 13 = ___; ___ = 21 beads**
5	Mila has $50. She buys 2 games for $15 each. How much money does she have left? Write an equation with ___ and solve.	**50 - (2 x 15) = ___; ___ = $20**
6	You pack 42 markers equally into 3 bins. Then you take 8 markers out of one bin. How many markers remain in that bin? Write an equation with ___ and solve.	**(42 / 3) - 8 = ___; ___ = 6 markers**

PART 2 · APPLY IT

1. **(6 x 13) - 28 = ___; ___ = 50 tickets** The friends earn 78 tickets and have 50 left after spending 28. Rounding 78 to 80 and 28 to 30 gives an estimate of 50.
2. **(36 + 22) / 2 = ___; ___ = $29** The booths earn $58 together. Dividing $58 equally between 2 clubs gives each club $29.

CHALLENGE

80 - (6 x 13) = ___; ___ = $2. Ari is not correct because the $78 cost is near $80, so the club should have near $0 left, not $20.

Accept equivalent equations that use ___ for the unknown. Estimates may vary if they support the reasonableness of the exact answer.