Two-step word problems

3RD GRADE MULTIPLICATION · PRACTICE SHEET

Find what you need to know first. For 3 packs of 6 juice boxes with 4 drunk, that's 3 × 6 = 18, then 18 − 4 = 14.

A. Plan the two steps. Fill in both steps.

A1 There are 4 boxes of crayons with 8 crayons in each box. Of all the crayons, 5 are broken. How many crayons are not broken?

Step 1: _____ × _____ = _____

Step 2: _____ − _____ = _____

A2 A garden has 3 rows with 9 carrots in each row. Dad plants 6 more carrots. How many carrots are in the garden now?

Step 1: _____ × _____ = _____

Step 2: _____ + _____ = _____

A3 Mom shares 20 grapes equally among 4 children. Then she gives each child 3 more. How many grapes does each child have now?

Step 1: _____ ÷ _____ = _____

Step 2: _____ + _____ = _____

A4 Each lunch box has 5 carrot sticks and 2 apple slices. How many pieces of food are in 4 lunch boxes?

Step 1: _____ + _____ = _____

Step 2: _____ × _____ = _____

B. Solve in two steps. Show both steps in the box, then write the answer.

B1 Leo has 50 stickers. He gives 6 stickers to each of 5 friends. How many stickers does Leo have left?

Answer: _____

B2 Grandpa bakes 24 cookies and puts the same number on each of 4 plates. The family eats 2 cookies from one plate. How many cookies are left on that plate?

Answer: _____

B3 A teacher has 30 pencils. She keeps 6 and shares the rest equally among 4 tables. How many pencils does each table get?

Answer: _____

C. Write it with a letter. Write one equation with a letter for the answer, then solve it.

C1 There are 4 vans with 7 children in each van. Another 9 children walk to the park. How many children are at the park?

Equation:

c = _____

c = _____

C2 A book has 60 pages. Ana reads 8 pages a day for 5 days. How many pages does she have left to read?

Equation:

p = _____

p = _____

C3 Ben has 9 red cars and 6 blue cars. He puts all of them into 3 boxes, with the same number in each box. How many cars go in each box?

Equation:

n = _____

n = _____

Answer key: Two-step word problems

FOR THE GROWN-UP. EVERY ANSWER HERE WAS COMPUTED BY CODE.

Count a different order of steps as right if it matches the story and gets the right answer. In part C, the letter can go on either side of the equal sign.

A. Plan the two steps.

A1 Step 1: 4 × 8 = 32. Step 2: 32 − 5 = 27 crayons.

A2 Step 1: 3 × 9 = 27. Step 2: 27 + 6 = 33 carrots.

A3 Step 1: 20 ÷ 4 = 5. Step 2: 5 + 3 = 8 grapes each.

A4 Step 1: 5 + 2 = 7. Step 2: 4 × 7 = 28 pieces of food.

B. Solve in two steps.

B1 Step 1: 5 × 6 = 30. Step 2: 50 − 30 = 20 stickers.

B2 Step 1: 24 ÷ 4 = 6. Step 2: 6 − 2 = 4 cookies.

B3 Step 1: 30 − 6 = 24. Step 2: 24 ÷ 4 = 6 pencils for each table.

C. Write it with a letter.

C1 c = 4 × 7 + 9. Step 1: 4 × 7 = 28. Step 2: 28 + 9 = 37. So c = 37 children.

C2 p = 60 − 5 × 8. Step 1: 5 × 8 = 40. Step 2: 60 − 40 = 20. So p = 20 pages.

C3 n = (9 + 6) ÷ 3. Step 1: 9 + 6 = 15. Step 2: 15 ÷ 3 = 5. So n = 5 cars in each box.