Answers and talk notes

Apply Two-Variable Relationships to Solve Problems

What your student is learning

Tonight we use an equation to answer a real question: write it, substitute the number we know, solve, and explain what the answer means.

Answers

Ask your student to explain before you look.

1. **B.** 24. c = 24, because 4 × 6 = 24.
2. **C.** 5. n = 5, because 20 ÷ 4 = 5.
3. **A.** Divide both sides by 4. Divide both sides by 4, because dividing undoes multiplying by 4.
4. **D.** 15. y = 15, because 7 + 8 = 15.
5. **B.** 5. 5 visits, because 45 ÷ 9 = 5.

Talk about it

Each hour makes more than 1 car. Should the hours be more or fewer than 1,000?

Home mission

Find a pitcher and see how many cups it holds. Pretend you pour 2 cups each time. Can your student write an equation like 2p = the pitcher size, solve for p, and say what it means?

When they are stuck, ask

- What does the equation say in words?
- Which number do you already know?
- What does your answer mean in the story?

Try not to say

- Just divide the two numbers and move on.
- You do not need to check your answer.
- The units are not important.