Answers and talk notes

Write and Solve Equations Using Multiplication or Division

What your student is learning

Tonight we solve equations that multiply or divide. We use the opposite operation to get the letter by itself.

Answers

Ask your student to explain before you look.

1. **B.** Dividing by 4. Dividing by 4 undoes multiplying by 4.
2. **C.** 4. x = 4, because 12 ÷ 3 = 4.
3. **A.** 7. n = 7, because 35 ÷ 5 = 7.
4. **D.** Divide by 8. Divide by 8 on both sides to leave g alone.
5. **B.** 6. p = 6 packs, because 24 ÷ 4 = 6.
6. **C.** 6. z = 6, because 42 ÷ 7 = 6.

Talk about it

What operation undoes multiplying by 3? What did you do to both sides?

Home mission

Count out 21 beans. Deal them one at a time into 3 cups, like dealing cards. Before counting, ask: how many are in each cup? What equation shows 3 cups with the same amount and 21 in all?

When they are stuck, ask

- Is the letter being multiplied or divided? What is the opposite?
- Did we do the same operation to both sides?
- Let's put the answer back in and check if it is true.

Try not to say

- To undo multiplying by 3, multiply by 3 again.
- To undo dividing by 4, divide by 4 again.
- You only need to change one side.