Answers and talk notes

Write Equations to Represent Relationships Between Two Variables

What your student is learning

Tonight we write an equation from a table or a graph, so two letters can describe the whole relationship.

Answers

Ask your student to explain before you look.

1. **B.** y = 4x. y = 4x fits, because each y is 4 times x.
2. **C.** c = 3n. c = 3n shows $3 for each of n snacks.
3. **A.** 20. y = 20, because 5 × 4 = 20.
4. **C.** t. t is the independent variable, because d is found from t.
5. **D.** 4. x = 4, because 28 ÷ 7 = 4.
6. **B.** y = 3x. y = 3x fits, because each y is 3 times x.

Talk about it

If m is 2, does 24.95 + m match the table's cost for 2 months?

Home mission

Find a monthly bill, like a phone or streaming plan. Ask your student, "What is the price each month?" Can they write c = (that price) × m and test it with 2 months?

When they are stuck, ask

- How much does the total change from one row to the next?
- What should each letter stand for?
- Does your equation work on every row?

Try not to say

- Just add the numbers you see.
- You do not need to say what the letters mean.
- Any letter works, so it does not matter.