

LESSON
3

Introduction to Algebra

Problem Solving: Translating Between Tables and Expressions

Use the table to write an expression for the missing value.

Then use your expression to answer the questions.

- How many cars are produced on average each year?
- How many cars will be produced in 6 years?
- After how many years will there be an average production of 3,750 cars?

Cars Produced By Company X

Numbers of Years	Average Number of Cars Produced
2	2,500
5	6,250
7	8,750
10	12,500
12	15,000
14	17,500
n	

Circle the letter of the correct answer.

Company Y produces twice as many cars as Company X.

- How many cars does Company Y produce on average in 8 years?
 - A 1,250
 - B 10,000
 - C 11,250
 - D 20,000
- How many more cars on average does Company Y produce in 4 years than Company X?
 - F 2,500
 - G 5,000
 - H 6,125
 - J 7,500
- Which company produces an average of 11,250 cars in 9 years?
 - A Company X
 - B Company Y
 - C both companies
 - D neither company
- How many cars are produced on average by both companies in 10 years?
 - F 3,750
 - G 12,500
 - H 25,000
 - J 37,500