

1-1

Standardized Test Prep

Variables and Expressions

Multiple Choice

For Exercises 1–7, choose the correct letter.

1. The word *minus* corresponds to which symbol?
A. + B. – C. ÷ D. ×
2. The phrase *product* corresponds to which symbol?
F. × G. + H. – I. ÷
3. The word *plus* corresponds to which symbol?
A. – B. + C. < D. ÷
4. What is an algebraic expression for the word phrase *10 more than a number f* ?
F. $10 - f$ G. $\frac{10}{f}$ H. $10 \times f$ I. $f + 10$
5. What is an algebraic expression for the word phrase *the product of 11 and a number s* ?
A. $\frac{11}{s}$ B. $11 \times s$ C. $11 + s$ D. $11 - s$
6. Hannah and Tim collect stamps. Tim is bringing his stamps to Hannah's house so that they can compare. Hannah has 60 stamps. Which expression represents the total number of stamps that they will have if t represents the number of stamps Tim has?
F. $60 \times t$ G. $60 \div t$ H. $60 + t$ I. $60 - t$
7. Hershel's bakery sells donuts by the box. There are d donuts in each box. Beverly is going to buy 10 boxes for a class field trip. Which expression represents the total number of donuts that Beverly is going to get for her field trip?
A. $10 \times d$ B. $10 \div d$ C. $10 - d$ D. $10 + d$

Short Response

8. There are 200 people interested in playing in a basketball league. The leaders of the league are going to divide all of the people into n teams. What algebraic expression represents the number of players on each team?