LESSON MAKER PRO

Expression Explorer

Turn word phrases into math expressions.

GRADE 5 · 5.PFA.2.c

5.PFA.2.c "Use an expression with a variable to represent a given verbal expression involving one operation (e.g., "5 more than a number" can be represented by y + 5)."

NAME _____ DATE _____

MATCH WORDS TO OPERATIONS

Choose a letter to stand for the unknown number. Words such as more than and increased by mean add, while less than and fewer than mean subtract from the number.

WORKED EXAMPLE

Write an expression for "14 less than a number."

1. Let n stand for the number.
2. The phrase starts with the number.
3. Subtract 14 from n.
4. Write n - 14.

Answer: n - 14

PRACTICE 6 problems

1 Write an expression for "a number increased by 6." Let n stand for the number.

ANSWER _____

2 Write an expression for "9 more than p."

ANSWER _____

3 Write an expression for "12 less than t."

ANSWER _____

4 Write an expression for "the product of 4 and m."

ANSWER _____

5 Write an expression for "g divided by 5."

ANSWER _____

6 Write an expression for "three times r."

ANSWER _____

APPLY IT Show your work

1 A music playlist has p songs. You add 11 new songs to the playlist. Write an expression for the total number of songs.

WORK SPACE

ANSWER _____

2 The art club made d bracelets. The club gave away 8 bracelets. Write an expression for the number of bracelets left.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Mia says that "7 fewer than a number" can be written as 7 - n. Is Mia correct? Explain your reasoning and write the correct expression. Let n stand for the number.

WORK SPACE AND ANSWER

ANSWER KEY

Expression Explorer

GRADE 5 · 5.PFA.2.c

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write an expression for "a number increased by 6." Let n stand for the number.	**n+6**
2	Write an expression for "9 more than p."	**p+9**
3	Write an expression for "12 less than t."	**t - 12**
4	Write an expression for "the product of 4 and m."	**4*m**
5	Write an expression for "g divided by 5."	**g/5**
6	Write an expression for "three times r."	**3*r**

PART 2 · APPLY IT

1. **p + 11** Start with p songs. Adding 11 gives p + 11.
2. **d - 8** Start with d bracelets. Giving away 8 means subtract 8, so the expression is d - 8.

CHALLENGE

No. Start with the number n, then subtract 7. The correct expression is n - 7.

Accept equivalent forms such as m * 4 for 4 * m and 3r for 3 * r. For addition, accept reversed addends, such as 6 + n for n + 6.