



### Writing expressions for real situations

GRADE 6 MATH

Name \_\_\_\_\_

Date \_\_\_\_\_

Work through the sheet in order. Say what your letter stands for, then write the expression; final answers go in the boxes. One skill: **writing expressions**.

#### WORKED EXAMPLE

Ask two questions: **what happens once?** (a standalone term) and **what repeats?** (multiplies the variable). '\$30 plus \$5 per month' →  $30 + 5m$ . Watch word order: '6 less than  $n$ ' is  $n - 6$ , not  $6 - n$ .

1. A ticket costs \$4. Write an expression for the cost of  $t$  tickets, then find the cost of 8 tickets.

FLUENCY

Show your thinking

Answer

2. Write an expression for **15 more than a number  $n$** , then evaluate it at  $n = 10$ .

FLUENCY

Show your thinking

Answer

3. Write an expression for **6 less than a number  $n$** , then evaluate it at  $n = 14$ .

FLUENCY

Show your thinking

Answer

4. A streaming service charges \$30 to sign up plus \$5 per month. Write an expression for  $m$  months, then find the cost of 4 months.

APPLICATION

Show your thinking

Answer

5. A taxi charges \$10 plus \$2 per passenger. Write an expression for  $p$  passengers, then find the cost for 7 passengers.

APPLICATION

Show your thinking

Answer

6. A jar holds 60 sweets. 4 are eaten each week. Write an expression for the number left after  $w$  weeks, then find the number after 9 weeks.

APPLICATION

Show your thinking

Answer

7. Describe a real situation that the expression  $9c$  could represent. Say what  $c$  stands for.

REASONING

Show your thinking

Answer

8. A club charges \$18 to join plus \$7 per session. Kim writes the expression  $25k$ . Explain her error and write the correct expression, then find the cost of 5 sessions.

REASONING

Show your thinking

Answer

9. Write an expression for **s sweets shared equally among 6 people**, then find each share when  $s = 48$ .

REASONING

Show your thinking

Answer