ALGEBRA · YEAR 7

Writing Expressions from Word Problems

Name _____ **Date** _____

Use the letter given in each question. Write an algebraic expression; do not calculate a numerical value.

A Translate the words

1. Add 8 to the number n.
   Expression _____
2. Subtract 6 from twice x.
   Expression _____
3. Multiply p by 5, then add 3.
   Expression _____
4. Divide y by 4, then subtract 2.
   Expression _____

B Expressions in everyday situations

5. A cinema ticket costs £t. Write the cost of 4 tickets.
   Expression _____
6. Let a be the amount of money Asha has, in pounds. She spends 75p. Write how much she has left, in pounds.
   Expression _____
7. Each packet holds 12 cards. Write the number of cards in b packets.
   Expression _____
8. A plumber charges a fixed £18 call-out fee and £28 per hour. Write the charge for h hours.
   Expression _____

C Put the parts together

9. A rectangular garden is l metres long and w metres wide. Write its perimeter.
   Expression _____
10. Mia is x years old. Her brother is 3 years older. Write their total age.
    Expression _____
11. A box contains x red counters and 7 blue counters. Write the number of counters in 4 boxes like this.
    Expression _____