

## Practice 2 Using Letters as Unknown Numbers: Writing Algebraic Expressions

1. Write an expression for each of the following.
  - (a)
    - (i) Dewi has 10 apples and 6 oranges. How many apples and oranges does Dewi have altogether?
    - (ii) Suria has  $x$  apples and 8 oranges. How many apples and oranges does Suria have altogether? Give your answer in terms of  $x$ .
    - (iii) Siti has 9 apples and  $y$  oranges. How many apples and oranges does Siti have altogether? Give your answer in terms of  $y$ .

(b) (i) Mazriah has \$18. She spends \$2. How much does Mazriah have left?

(ii) Aishah has \$ $m$ . She spends \$5. How much does Aishah have left? Give your answer in terms of  $m$ .

(iii) Adi has \$20. He spends \$ $n$ . How much does Adi have left? Give your answer in terms of  $n$ .

2. Write an algebraic expression for each of the following.
- (a) Diana has \$12. She receives \$ $x$  from her mother. How much does Diana have?
- (b) A pail of oil weighs 4 kg. The pail weighs  $y$  kg. What is the mass of the oil?
- (c) Haryati had \$ $y$ . She bought 2 cakes that cost \$45 each. How much did she have left?
- (d) There are  $p$  apples in a basket and  $q$  apples in another basket. How many apples are in the two baskets altogether?
- (e) Ayu had  $m$  stickers. She gave  $k$  stickers to her friend. How many stickers did Ayu have left?

3. Write an algebraic expression for each of the following.

(a) Add 9 to  $y$

(b) Add  $y$  to 4

(c) Subtract 8 from  $x$

(d) Subtract  $x$  from 13

(e) 15 more than  $q$

(f)  $q$  more than 4

(g) 5 less than  $z$

(h)  $z$  less than 10

(i) Add  $h$  to  $y$

(j)  $q$  more than  $a$

(k) Subtract  $f$  from  $x$

(l)  $z$  less than  $g$