Write an algebraic expression for each statement.

1 (a) 7 more than y (1)

(b) 5 less than x (1)

(c) w more than 9.1 (1)

(d) p less than $\frac{3}{4}$ (1)

(4 marks)

2 (a) The product of n and 17 (1)

(b) The product of 8 and p (1)

(c) n to the sixth power (1)

(d) The product of q and $\frac{5}{8}$ (1)

(4 marks)

3 (a) The quotient when $3x$ is divided by 5 (1)

(b) The quotient when x is divided by 3 (1)

(c) The quotient when $2y$ is divided by 7 (1)

(d) The quotient when a is divided by 4 (1)

(4 marks)

4 (a) 2.5 less than m (1)

(b) $\frac{3}{4}$ more than k (1)

(c) t more than 8 (1)

(d) 6 less than w (1)

(4 marks)

5 A straight line is made of two or more pieces joined end to end. Write an expression for its total length.

(a) A piece of length x and a piece of length 5 (1)

(b) A piece of length $2x$ and a piece of length 3 (1)

(c) Two pieces of length y and one of length 4 (1)

(d) Three pieces of length b (1)

(4 marks)

6 Write an algebraic expression for each statement.

(a) y multiplied by itself (1)

(b) 4 lots of c (1)

(c) Half of n (1)

(d) s cubed (1)

(4 marks)