

Name: \_\_\_\_\_

Exam Style Questions

# Algebraic Notation



Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

## Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

[www.corbettmaths.com/contents](http://www.corbettmaths.com/contents)

# Video 19



1. Match each expression to its definition.

$$a^2$$

2 more than a

$$2 - a$$

a multiplied by a

$$2a$$

2 less than a

$$a + 2$$

a divided by 2

$$\frac{a}{2}$$

a multiplied by 2

$$a - 2$$

a less than 2

(4)

2. Write down an algebraic expression for each of the following.

(a) 4 more than  $y$

.....  
(1)

(b) 3 less than  $p$

.....  
(1)

(c) 3 multiplied by  $y$

.....  
(1)

(d) 2 divided by  $a$

.....  
(1)

(e)  $p$  multiplied by  $m$

.....  
(1)

(f)  $c$  divided by  $a$

.....  
(1)

(g)  $c$  taken away from  $m$

.....  
(1)

3. Explain the meaning of each of these expressions.

(a)  $4y$

.....  
(1)

(b)  $y^2$

.....  
(1)

(c)  $7 - s$

.....  
(1)

(d)  $xy$

.....  
(1)

(e)  $b - a$

.....  
(1)

4. In a furniture shop, a table comes with six chairs.

Which of the formulae below connects the number of tables,  $T$ , and the number of chairs,  $C$ ?

Formula 1:  $C = T + 6$

Formula 2:  $C = 6T$

Formula 3:  $T = 6C$

Formula 4:  $T = C + 6$

.....  
(1)

5. Match each statement to the correct expression.

Multiply  $c$  by 2 then add 1

$$c + 2$$

$$2c + 1$$

Square  $c$  then add 1

$$2(c + 1)$$

Add 1 to  $c$  then multiply by 2

$$c^2 + 1$$

Square  $c$  then subtract from 1

$$c^2 - 1$$

$$1 - c^2$$

(4)