

Name:

Exam Style Questions

Collecting like terms



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

Video 9



1. (a) Simplify $a + a + a$

.....
(1)

(b) Simplify $4a + 3a - a$

.....
(1)

(c) Simplify $4ac + 5ac$

.....
(1)

(d) Simplify $4c - 6c$

.....
(1)

(e) Simplify $a^2 + a^2$

.....
(1)

2. (a) Simplify $m + m + m + m$

.....
(1)

(b) Simplify $8c + 2p - 2c + 4p$

.....
(2)

3. Simplify $6a + 5w - 2a + w$

.....
(2)

4. (a) Simplify $9y - 3y$

.....
(1)

(b) Simplify $7y + 2w - 3y + 2w$

.....
(2)

(c) Simplify $7y + 10 + 3y - 9$

.....
(2)

5. (a) Simplify $s + s + s + s - s$

.....
(1)

(b) Simplify $5c - 3s + 3c + 7s$

.....
(2)

(c) Simplify $8a + 3c - 5c + 3a$

.....
(2)

(d) Simplify $3a + 2w - 5a - 9w$

.....
(2)

(e) Simplify $3y^2 + 2w^2 + y^2 - w^2$

.....
(2)

6. (a) Simplify $2x + 2x$

.....
(1)

(b) Simplify $7w - 2w$

.....
(1)

(c) Simplify $3m - m$

.....
(1)

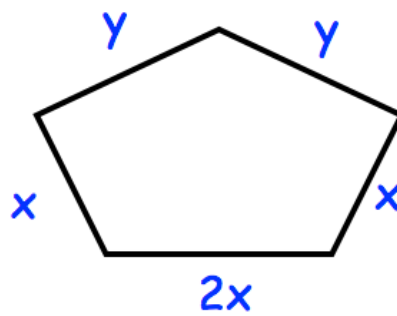
(d) Simplify $y^2 + y^2 + y^2$

.....
(1)

(e) Simplify $7h + 5k + h - 3k$

.....
(2)

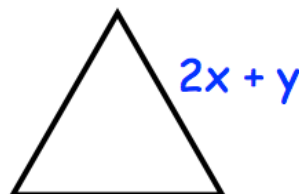
7. Shown is a pentagon.



Find an expression, in terms of x and y , for the perimeter of the pentagon.

.....
(2)

8. Shown is a equilateral triangle.

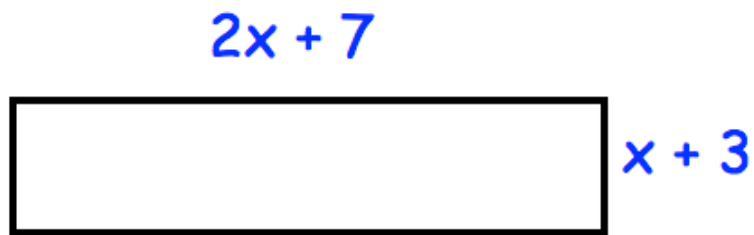


The length of each side is $2x + y$

Find an expression, in terms of x and y , for the perimeter of the triangle.

.....
(2)

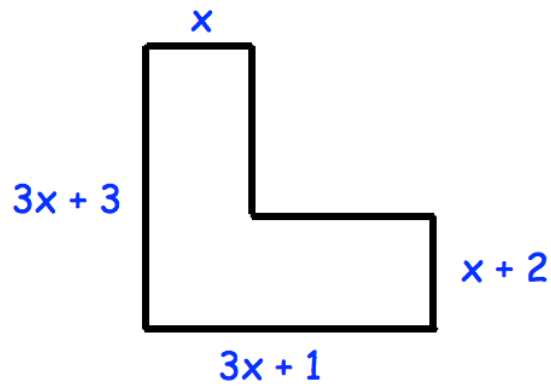
9. Shown is a rectangle.



Find an expression, in terms of x , for the perimeter of the rectangle.

.....
(2)

10.



Find an expression, in terms of x , for the perimeter of this L shape.

.....
(2)