Name:

Level 2 Further Maths

Expanding Brackets using Pascal's Triangle



Ensure you have: Pencil or pen

Guidance

- 1. Read each question carefully before you begin answering it.
- 2. Check your answers seem right.
- 3. Always show your workings

Revision for this topic

www.corbettmaths.com/more/further-maths/



1. Use Pascal's triangle to expand $(x + y)^4$

(3)

2. Use Pascal's triangle to expand $(x + y)^5$

(3)

3. Use Pascal's triangle to expand $(x + 1)^3$

(3)

4. Use Pascal's triangle to expand $(2 + y)^4$

5. Use Pascal's triangle to expand $(1 + w)^6$

(3)

6. Use Pascal's triangle to expand $(3 + y)^5$

7. Use Pascal's triangle to expand $(x - y)^4$

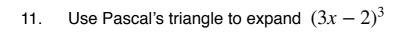
(4)

8. Use Pascal's triangle to expand $(x-2)^5$

9. Use Pascal's triangle to expand $(2x + 1)^3$

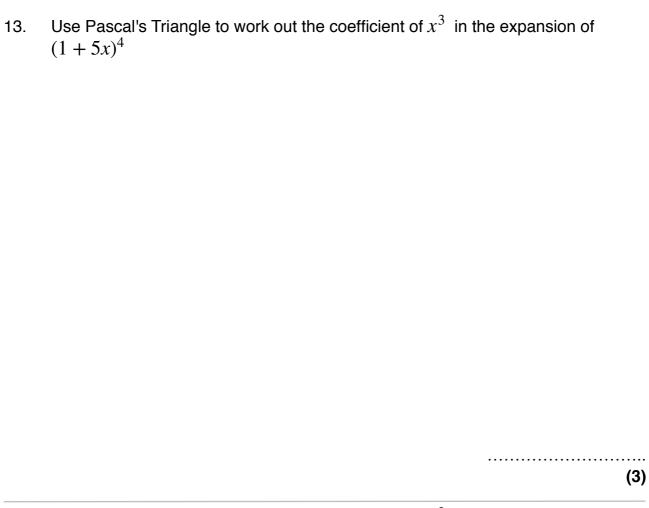
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10. Use Pascal's triangle to expand $(5x + 3)^4$

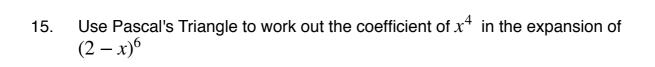


(4)

12. Use Pascal's triangle to expand $(10 - 3x)^4$



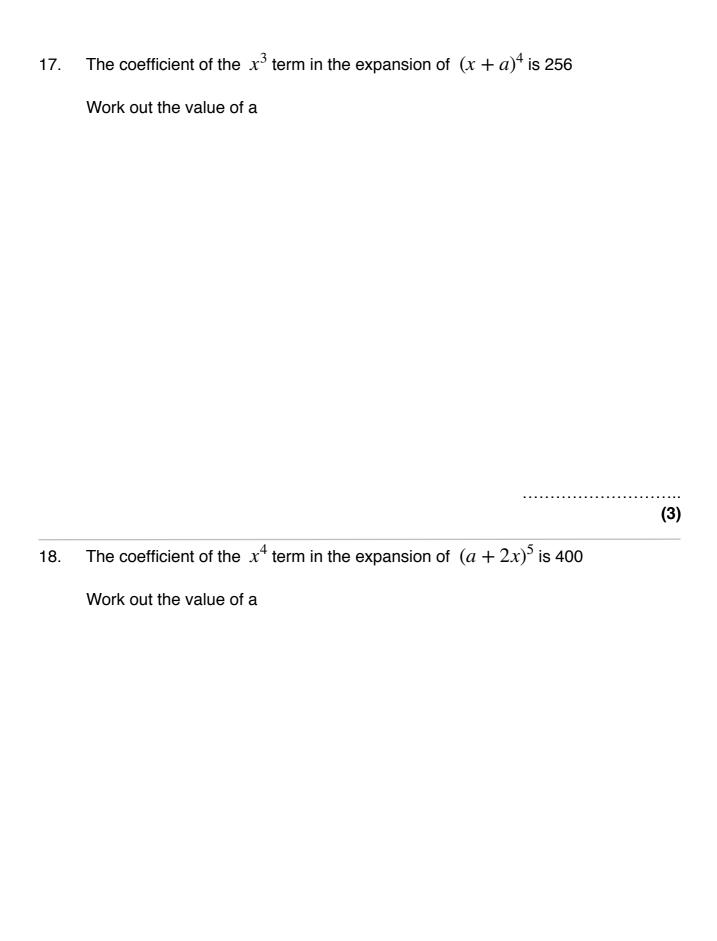
14. Use Pascal's Triangle to work out the coefficient of x^2 in the expansion of $(2+3x)^5$

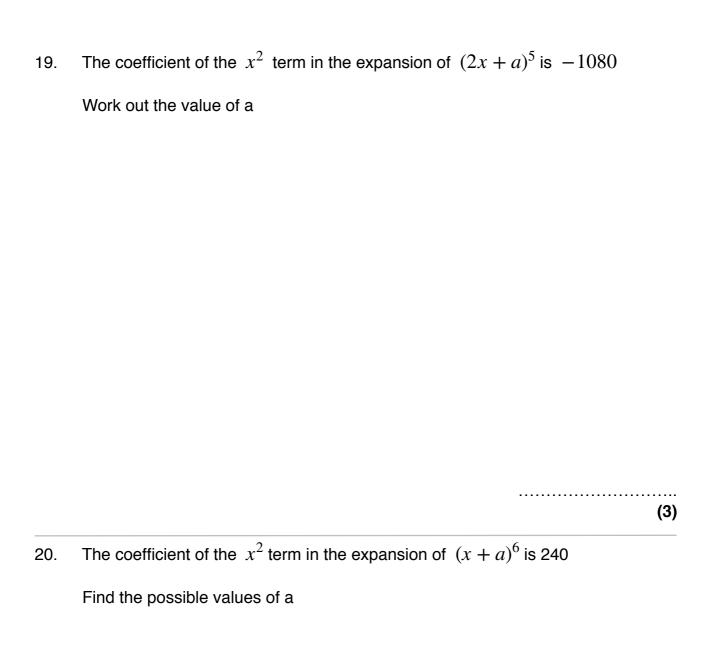


(3)

16. Use Pascal's Triangle to work out the coefficient of x^2 in the expansion of $(2x-7)^5$

(3)





	(4)
Find the possible values of a	
21. The coefficient of the x^3 term in the expansion of $(2x + a)^5$ is	3920
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