

Surname	
Other Names	
Candidate's Signature	

GCSE 9 - 1 Questions

Equations with unknown on both sides

Calculator Not Allowed

INSTRUCTIONS TO CANDIDATES

Write your name in the space provided.

Write your answers in the spaces provided in this question paper.

Answer ALL questions.

Any working should be clearly shown in the spaces provided since marks may be awarded for partially correct solutions.

Total Marks :

1) Solve $18 - 3x = 2 + 5x$

Answer _____ [3]

2) Solve $8x - 9 = 21 + 5x$.

[3]

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3) Solve the equation $7(x - 3) = 2 + 5x$.

[3]

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4) Solve the equation $5x + 7 = 9 + 2x$.

[3]

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5) Solve the equation $8a + 7 = 2a + 34$.

[3]

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Solve $5x - 65 = 3x - 17$.

[3]

6)

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7) Solve $9x - 4 = 7(x + 2)$.

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[3]

8) Solve

(a) $6x + 7 = 4(x + 6)$,

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[3]

Solve $3(2x - 7) = 2x + 9$.

9)

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[3]

Solve the equation $3(x - 2) = x + 2$.

[3]

10)

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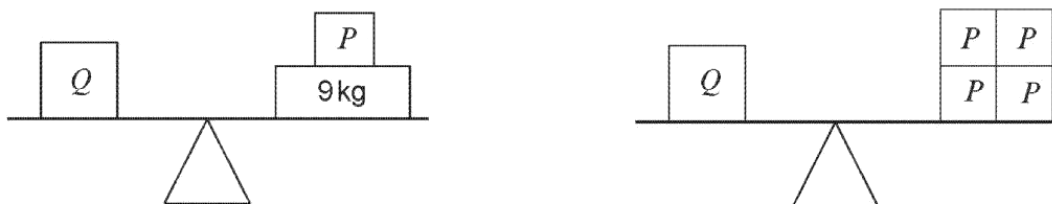
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Packages P and Q balance as shown in the diagrams below.

11)



Find the weight of package P and the weight of package Q .

[4]

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