




Countdown to your final Maths exam ...

Foundation Tier only ... Part 4 (2020)

	Marks	Actual	  
Q1. Simplifying expressions	2		
Q2. Square numbers	3		
Q3. Writing expressions	1		
Q4. Simplifying expressions	3		
Q5. Square numbers	1		
Q6. Writing Formula	3		
Q7. Simplifying expressions	4		
Q8. Substitution	2		
Q9. Simplifying expressions	3		
Q10. Simplifying expressions	3		
Q11. Roots and powers	3		
Q12. Powers	1		

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NON-CALCULATOR UNLESS INDICATED

Questions

Q1. Simplify $3x + 5y + x + 4y$

(2)

Q2. Stephanie thinks of a positive number.
She squares the number and adds 7
The result is 43
What number did Stephanie think of?

(3)

Q3. The length of a line is x centimetres.

Write down an expression, in terms of x , for the length of the line in millimetres.

Q4. (a) Simplify $r + r + r + 2r$

(1)

(b) Simplify $7 \times 2t$

(1)

(c) Simplify $6ab - 4ab$

(1)

(1)

Q5. Write down a square number that is also an odd number.

(1)

Q6. Buttons are sold in packets and in boxes.

There are 6 buttons in a packet.

There are 15 buttons in a box.

Nomusa buys d packets of buttons and f boxes of buttons. She buys a total of T buttons.

Write a formula for T in terms of d and f .

Q7. (a) Simplify $a \times c \times 3$

(3)

(b) Simplify $p \times p \times p$

(1)

(c) Simplify $5x - 4y + 3x - 3y$

(1)

(2)

Q8. $P = n + 2t$ $n = 4$ $t = 5$

Work out the value of P .

(2)

Q9. (a) Simplify $d + d + d + d$

(1)

(b) Simplify $3f + 4 - 2f + 6$

(2)

Q10. (a) Simplify $m + m + m$

(1)

(b) Simplify $9e - 2e$

(1)

(c) Simplify $5 \times 3g$

(1)

Q11. (a) Write down the value of $\sqrt{81}$

(1)

(b) Work out the value of $5^2 + 2^3$

(2)

Q12. Work out the value of 2^4

(1)