Question 1	Question 2	Question 3	Question 4
Simplify V891	Simplify V176	A car bought for £36000 depreciates in value by 8% each year. Write down a formula for the value of the car v, after t years	£6000 is invested with an interest rate of 6% per annum. Write a formula for the value of the investment v, after t years
Question 5	Question 6	Question 7	Question 8
Use the formula $s = \frac{1}{2} (u + v)t$ to find u when $s = 360$, $v = 20$ and $t = 30$	Use the formula $s = \frac{1}{2} (u + v)t$ to find s when $u = 16$, $v = 16$ and $t = 90$	Evaluate $32^{\frac{2}{5}}$	Evaluate $27^{\frac{2}{3}}$
Question 9	Question 10	Question 11	Question 12
A block has a mass of 800g and a volume of 80 cm ³ . Calculate the density.	A block has a mass of 160g and a density of 40 g/cm ³ . Calculate the volume.	Find the nth term of 1, 7, 17, 31,	Find the nth term of 1, 4, 9, 16,
Question 13	Question 14	Question 15	Question 16
Sketch the curve $y = x^2$	Sketch the curve y = sin x	Find the equation of the line with gradient 4 passing through (-1, -6)	Find the equation of the line with gradient -2 passing through (-2,8)
Question 17	Question 18	Question 19	Question 20
Work out $4.2 \times 10^5 + 8.6 \times 10^4$	Work out $4.2 \times 10^5 + 5.7 \times 10^4$	Express $x^2 + 10x + 30$ in completed square form	Express x ² - 4x + 7 in completed square form

A car bought for £34000 depreciates 2% each year. Write down for the value of the car v, after t years Question 8 Evaluate $125^{\frac{1}{3}}$ Question 12 Find the rith term of
a formula for the value of the car v, after t years Question 8 Evaluate $125^{\frac{1}{3}}$
after t years Question 8 Evaluate $125^{\frac{1}{3}}$
Question 8 Evaluate $125^{\frac{1}{3}}$ Question 12
Evaluate $125^{\frac{1}{3}}$ Question 12
Evaluate $125^{\frac{1}{3}}$ Question 12
Question 12
2, 10, 24, 44,
Question 16
passing through (1, 6) Find the equation of the line with gradient 2 passing through (3, 16)
Question 20

Simplify V1134	COOOO is invested with an interest rate	!
	£9000 is invested with an interest rate	£9000 is invested with an interest rate
	of 6.5% per annum. Write a formula	of 7.5% per annum. Write a formula
	for the value of the investment v, after	for the value of the investment v, afte
	t years	t years
Question 6	Question 7	Question 8
Use the formula $s = \frac{1}{2} (u + v)t$ to find s	Evaluate 3	Evaluate <u>5</u>
when u = 20, v = 10 and	$9\overline{2}$	$16\overline{4}$
t = 70		
Question 10	Question 11	Question 12
A block has a mass of 100g and a volume of 20 cm ³ . Calculate the density.	Find the nth term of 2, 8, 18, 32,	Find the nth term of 1, 7, 17, 31,
Question 14	Question 15	Question 16
Sketch the curve y = 2x - 4	Find the equation of the line with	Find the equation of the line with
	gradient 5 passing through (2, 13)	gradient 4 passing through (-1, 1)
Question 18	Question 19	Question 20
Work out $5.2 \times 10^4 + 2.4 \times 10^3$	Express $x^2 + 6x + 10$ in completed square form	Express x^2 - 4x + 13 in completed square form
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Use the formula $s = \frac{1}{2} (u + v)t$ to find s when $u = 20$, $v = 10$ and $t = 70$ Question 10 A block has a mass of 100g and a volume of 20 cm ³ . Calculate the density. Question 14 Sketch the curve $y = 2x - 4$	for the value of the investment v, after t years Question 6 Use the formula $s = \frac{1}{2} (u + v)t$ to find s when $u = 20$, $v = 10$ and $t = 70$ Question 10 A block has a mass of 100g and a volume of 20 cm ³ . Calculate the density. Question 14 Sketch the curve $y = 2x - 4$ Question 15 Find the equation of the line with gradient 5 passing through $(2, 13)$ Question 18 Work out $5.2 \times 10^4 + 2.4 \times 10^3$ Question 19 Express $x^2 + 6x + 10$ in completed

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Question 1 Simplify √192	Question 2 Simplify √125	Question 3 £4000 is invested with an interest rate of 7% per annum. Write a formula for the value of the investment v, after t years	Question 4 £5000 is invested with an interest rate of 9% per annum. Write a formula for the value of the investment v, after t years
Question 5 Use the formula $s = \frac{1}{2}(u + v)t$ to find u when $s = 1520$, $v = 18$ and $t = 80$	Question 6 Use the formula $s = \frac{1}{2}(u + v)t$ to find s when $u = 2$, $v = 20$ and $t = 30$	Question 7 Evaluate $36^{-\frac{3}{2}}$	Question 8 Evaluate $\frac{5}{4^2}$
Question 9 A block has a mass of 780g and a volume of 60 cm ³ . Calculate the density.	Question 10 A block has a mass of 100g and a volume of 50 cm ³ . Calculate the density.	Question 11 Find the nth term of 0, 2, 6, 12,	Question 12 Find the nth term of -2, -2, 0, 4,
Question 13 Sketch the curve $y = \frac{1}{x^2}$	Question 14 Sketch the curve y = 2 - x	Question 15 Find the equation of the line with gradient -3 passing through (2, -5)	Question 16 Find the equation of the line with gradient -3 passing through (-2, 9)
Question 17 Work out $2 \times 10^5 + 2 \times 10^4$	Question 18 Work out $4.8 \times 10^5 + 8.6 \times 10^4$	Question 19 Express x ² - 2x - 4 in completed square form	Question 20 Express x ² + 6x + 3 in completed square form



Question 1	Question 2	Question 3	Question 4
Simplify V405	Simplify √704	£10000 is invested with an interest	A car bought for £46000 depreciates
		rate of 3% per annum. Write a	in value by 7% each year. Write down
		formula for the value of the	a formula for the value of the car v,
		investment v, after t years	after t years
Question 5	Question 6	Question 7	Question 8
Use the formula $s = \frac{1}{2}(u + v)t$ to find u	Use the formula $s = \frac{1}{2}(u + v)t$ to find u	Evaluate <u>3</u>	Evaluate $81^{\frac{3}{4}}$
when s = 280, v = 20 and	when s = 800, v = 12 and	Evaluate $4^{\frac{3}{2}}$	814
t = 20	t = 80		
Question 9	Question 10	Question 11	Question 12
A block has a mass of 700g and a	A block has a volume of 80cm ³ and a	Find the nth term of 0, 6, 18, 36,	Find the nth term of
density of 7 g/cm ³ . Calculate the	density of 2.5 g/cm ³ . Calculate the		5, 14, 27, 44,
volume.	mass		
Question 13	Question 14	Question 15	Question 16
Sketch the curve y = sin x	Sketch the curve $y = -x^3$	Find the equation of the line with	Find the equation of the line with
		gradient 3 passing through (1,8)	gradient 5 passing through (-2 , -7)
Question 17	Question 18	Question 19	Question 20
Work out $5.2 \times 10^4 + 4.2 \times 10^3$	Work out $2.1 \times 10^4 - 6.9 \times 10^3$	Express $x^2 + 8x + 26$ in completed	Express $x^2 + 4x - 4$ in completed
WOIR OUL 3.2 ^ 10 T 4.2 ^ 10	VVOIR OUL 2.1 ~ 10 - 0.9 ~ 10	square form	square form
		Square form	Square form

Question 1	Question 2	Question 3	Question 4
Simplify v80	Simplify v45	A car bought for £28000 depreciates	£7000 is invested with an interest rate
		in value by 1% each year. Write down	of 9% per annum. Write a formula for
		a formula for the value of the car v,	the value of the investment v, after t
		after t years	years
Question 5	Question 6	Question 7	Question 8
Use the formula $s = \frac{1}{2}(u + v)t$ to find t	Use the formula $s = \frac{1}{2}(u + v)t$ to find v	Evaluate $27^{-\frac{4}{3}}$	Evaluate $\frac{1}{1000}$
when u = 2, v = 12 and	when s = 120, v = 4 and	27 з	Evaluate $-125^{\frac{1}{3}}$
s = 490	t = 10		
Question 9	Question 10	Question 11	Question 12
A block has a mass of 720g and a	A block has a mass of 840g and a	Find the nth term of 0, 4, 12, 24,	Find the nth term of
volume of 90 cm ³ . Calculate the	volume of 70 cm ³ . Calculate the		5, 14, 27, 44,
density.	density.		
Question 13	Question 14	Question 15	Question 16
Sketch the curve y = cos x	Sketch the curve $y = x^2 + 1$	Find the equation of the line with gradient 5 passing through (-3, -17)	Find the equation of the line with gradient -2 passing through (-3, 4)
Question 17	Question 18	Question 19	Question 20
Work out $2 \times 10^5 + 9 \times 10^4$	Work out $3.9 \times 10^4 - 6.9 \times 10^3$	Express x^2 - 6x + 14 in completed	Express $x^2 + 2x + 5$ in completed
		square form	square form

Question 1	Question 2	Question 3	Question 4
Simplify √704	Simplify √448	£8000 is invested with an interest rate	A car bought for £4000 depreciates in
		of 5.5% per annum. Write a formula	value by 4% each year. Write down a
		for the value of the investment v, after	formula for the value of the car v,
		t years	after t years
Question 5	Question 6	Question 7	Question 8
Use the formula $s = 1/2(u + v)t$ to find v when $s = 1350$, $v = 14$ and $t = 90$	Use the formula $s = 1/2(u + v)t$ to find u when $s = 400$, $v = 4$ and $t = 40$	Evaluate $125^{-\frac{2}{3}}$	Evaluate $8^{\frac{7}{3}}$
Question 9	Question 10	Question 11	Question 12
A block has a volume of 30 cm ³ and a density of 5 g/cm ³ . Calculate the mass.	A block has a mass of 630g and a volume of 90 cm ³ . Calculate the density.	Find the nth term of 0, 2, 6, 12,	Find the nth term of 0, 6, 18, 36,
Question 13	Question 14	Question 15	Question 16
Sketch the curve $y = 3 - x^2$	Sketch the curve $y = -\frac{1}{x}$	Find the equation of the line with gradient -4 passing through (-1,3)	Find the equation of the line with gradient 5 passing through (-1, -6)
Question 17	Question 18	Question 19	Question 20
Work out $2.6 \times 10^4 - 8.2 \times 10^3$	Work out 1.8 × 10 ⁵ - 7.9 × 10 ⁴	Express x ² - 10x + 37 in completed square form	Express x ² - 8x + 9 in completed square form



