INDICES

Pearson Edexcel - Tuesday 6 November 2018 - Paper 1 (Non-Calculator) Foundation Tier

20 Work out the value of
$$\frac{3^7 \times 3^{-2}}{3^3}$$

(Total for Question 20 is 2 marks)

Pearson Edexcel - Thursday 7 June 2018 - Paper 2 (Calculator) Foundation Tier

2.

20 (a) Simplify
$$m^3 \times m^4$$

(1)

(b) Simplify
$$(5np^3)^3$$

(2)

(c) Simplify
$$\frac{32q^9r^4}{4q^3r}$$

(2)

(Total for Question 20 is 5 marks)

Pearson Edexcel - Monday 6 November 2017 - Paper 2 (Calculator) Foundation Tier

3.

21
$$p^3 \times p^x = p^9$$

(a) Find the value of x.



$$(7^2)^y = 7^{10}$$

(b) Find the value of y.



 $100^a \times 1000^b$ can be written in the form 10^w

(c) Show that w = 2a + 3b

OCR Wednesday 8 November 2017– Morning (Calculator) Foundation Tier

4.	•						
10	(a)	Write 7 × 7	7 × 7 × 7 as a	a power of 7.			
					(a)		[1]
	(b)	Complete	this working	to write 43 as a pov	ver of 2.		
			$4^3 = 4 \times 4$				
		so	$4^3 = 2 \times 2$	2 × 2 ×			
		so	43 =				[2]
	(c)	Write thes	e numbers ir	order, starting with	the largest.		
		8	3.1 × 10 ¹	1.02 × 10 ³	9.83 × 10 ⁻²	3 × 10 ²	
			(c)	, largest	,	, ,	[1]

OCR Tuesday 13 June 2017 – Morning (Calculator) Foundation Tier

5	•						
3	(a)	Find the value of y.					
		$5\times 5\times 5\times 5\times 5\times 5$	\times 5 = 5 ^y				
				(a)	y =		[4]
	(b)	Find the values of z.		(α)	y –		[1]
	(2)	$z^2 = 196$					
		2 = 190					
				(b)	z =	or z =	[2]
		1 04 14 0040 14					
		sday 21 May 2019 – Moi	rning (Non-Calculato	or) Fou	undation Tier		
6				or) Fou	undation Tier		
		Work out the value of		or) Fou	undation Tier	[3 marks]	
6				or) Fou	undation Tier	[3 marks]	
6				or) Fou	undation Tier	[3 marks]	
6				or) Fou	undation Tier	[3 marks]	
6				or) Fou	undation Tier	[3 marks]	
6				or) Fou	undation Tier	[3 marks]	
6				or) Fou	undation Tier	[3 marks]	
6		Work out the value of				[3 marks]	
6		Work out the value of	$(3^{12} \div 3^5) \div (3^2 \times 3)$			[3 marks]	

7.	ursday 24 May 2018 – Morning (Non-Calculator) Fou	indation Her	
17	a is a negative odd number.		
	Circle the words that describe a^2		[1 mark]
	negative and odd	negative and even	
	positive and odd	positive and even	
AQA Tu 8.	esday 13 June 2017 Morning– Morning (Calculator) F	Foundation Tier	,
15	Show that there are exactly five 3-digit cube numbers.	[3 marks]	

AQA	Sample	Paper 3–	Morning	(Calculator)	Foundation	Tier

9.

Is this	true or false	?		
Tick a	box.			
	Tri	ue	False	[1 m
Reaso	on			