

New Maths GCSE: N8 - Simplifying Surds

Name:	Date:
Which shows a full A $2\sqrt{8}$ simplification? B $4\sqrt{2}$ C $16\sqrt{2}$ D $4\sqrt{8}$	Correct Answer: A B C D Explanation:
Simplify fully A $\sqrt{25}$ B 5 C $5\sqrt{5}$ D $\sqrt{55}$	Correct Answer: A B C D Explanation:
Simplify fully A 96 $2\sqrt{2} \times 3\sqrt{8} \text{C} 24$ $D 6\sqrt{16}$	Correct Answer: A B C D Explanation:

Simplify fully A 25 $ \sqrt{75} $ B 5 $ C \sqrt{25} $ D $\sqrt{5}$	Correct Answer: A B C D Explanation:
Simplify fully A 9 B $\sqrt{3} \times \sqrt{27}$ C $\sqrt{9}$ D 3	Correct Answer: A B C D Explanation:
Find k A 6 B 3600 C 40 D 36	Correct Answer: A B C D Explanation:

Simplify fully A	$\sqrt{4}$
$\sqrt{48}$	$\sqrt{2}$
- / C	4
√12 D	2
	55

Correct Answer: A B C D
Explanation:

Simplify fully	A	3	
$\sqrt{12} \times \sqrt{3}$	В	$\sqrt{18}$	
V12 X V 3	С	$3\sqrt{2}$	
3 2	D	$\frac{1}{2}\sqrt{36}$	
3 2 3			
			58

Explanation:	

Correct Answer: A B C D

Find k	A	16	
	В	8	
$\sqrt{80} = k\sqrt{5}$	C	4	
E / -/)	D	2	
5			
			59

Correct Answer: A B C D
Explanation:

			100
Find k	A	36	
	В	27	
$\sqrt{108} = k\sqrt{3}$	С	9	
35/1-1/	D	6	
			20
			60

Correct Answer: A B C D
Explanation: