SMART EXAM RESOURCES STAGE 9 MATHEMATICS TODIC OUESTIONS

TOPIC QUESTIONS TOPIC: RATIONAL AND IRRATIONAL NUMBERS

SET-2

1	6^{-1}	$\sqrt{10}$	8.97×10^{-3}	$\frac{7}{5}$	$\sqrt{64}$				
From the list, write down the irrational number.									
							[1]		

1		ı	I
$\sqrt{10}$	(62	1	
		•	

2 π 3⁻² 3 $\frac{4}{7}$ 33.3% $\sqrt{3}$ 0.3 3⁹

From this list, write down the two numbers that are irrational.

[2]

$\pi \sqrt{3}$	2	B1 for each
13/10		•

$$\frac{2}{3}$$

$$\sqrt{5}$$

$$-\frac{2}{5}$$

$$\sqrt{3}$$

$$1\frac{4}{5}$$

$\sqrt{5}$ indicated	1	
	·	

4 $\sqrt{2}$ 5.85 4.1²

Write down all the numbers in this list that are irrational.

.....[1]

MARK SCHEME $\sqrt{2}$ and π

5	Explain why $\sqrt{17}$ is irrational.	
	•	
		Г1

cannot be written as a fraction oe 1

6

5 $\sqrt{7}$ $\frac{2}{9}$

Answer [1]

	$\sqrt{7}$	(6)	1		
·			•	'	