

SMART EXAM RESOURCES
CAMBRIDGE LOWER SECONDARY MATHS
STAGE 8

TOPIC: SQUARES/ SQUARE ROOTS/ CUBE / CUBE ROOTS
SET-1

1 Work out.

$$\sqrt[3]{-64}$$

..... [1]

MARK SCHEME

-4	1		
----	---	--	--

www.smartexamresources.com

2 Work out.

$$\sqrt[3]{-1000}$$

..... [1]

www.smartexamresources.com

MARK SCHEME

-10	1		
-----	---	--	--

www.smartexamresources.com

- 3 Here is a pattern using square numbers.

$$1001^2 = 1\,002\,001$$

$$1002^2 = 1\,004\,004$$

$$1003^2 = 1\,006\,009$$

$$1004^2 = 1\,008\,016$$

$$1005^2 = 1\,010\,025$$

$$1006^2 = 1\,012\,036$$

Use the pattern to complete these statements.

$$1007^2 = \dots\dots\dots$$

$$\sqrt{1018081} = \dots\dots\dots$$

$$1012^2 = \dots\dots\dots$$

[2]

MARK SCHEME

1014 049	2	Award 1 mark for two correct answers.	
1009			
1024 144			

www.smartexamresources.com