1.1 Number: Integers and Powers: 10-minute Pack

Calculator allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Work out the value of each calculation.

(a) -3 + 7 **(1)**

(b) -6 - 5 **(1)**

(c) 8 - 12 **(1)**

(d) -9 + (-4) **(1)**

2 Work out $\sqrt{169}$ + the cube root of 125.

(2)

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3 Write down the value of 2^3.

(1)

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4 Write $(3^7 \times 3^4) \div 3^5$ as a single power of 3.

(2)

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Mark scheme · 1.1 Number: Integers and Powers: 10-minute Pack

Question 1

(a) 4 cao	**B1**
(a) Answer: **4**	
(b) -11 cao	**B1**
(b) Answer: **-11**	
(c) -4 cao	**B1**
(c) Answer: **-4**	
(d) -13 cao	**B1**
(d) Answer: **-13**	

Question 2

13 or 5 found	**M1**
18 cao	**A1**
Answer: **18**	

Question 3

8 cao	**B1**
Answer: **8**	

Question 4

uses the laws of indices correctly for one stage	**M1**
3^6 cao	**A1**
Answer: $\mathbf{3^6}$	

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