3.2 Writing and Simplifying Ratios: 10-minute Pack

Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Which of these ratios is equivalent to 6 : 15?

- ☐ A) 5:2
- ☐ B) 3:12
- ☐ C) 2:5
- ☐ D) 4:13

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2 Write each ratio in its simplest form. Change to the same units first.

(a) 50 cm : 2 m **(1)**

(b) 250 ml : 2 litres **(1)**

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3 Write each ratio using whole numbers in its simplest form.

(a) 0.6 : 0.9 **(1)**

(b) 1.2 : 0.8 **(1)**

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4 Simplify each ratio fully.

(a) 14 : 28 **(1)**

(b) 45 : 30 **(1)**

(c) 18 : 12 **(1)**

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Mark scheme · 3.2 Writing and Simplifying Ratios: 10-minute Pack

Question 1

C (2:5) **B1**

Answer: **C (2:5)**

Question 2

(a) 1:4 cao **B1**

(a) Answer: **1:4**

(b) 1:8 cao **B1**

(b) Answer: **1:8**

Question 3

(a) 2:3 cao **B1**

(a) Answer: **2:3**

(b) 3:2 cao **B1**

(b) Answer: **3:2**

Question 4

(a) 1:2 cao **B1**

(a) Answer: **1:2**

(b) 3:2 cao **B1**

(b) Answer: **3:2**

(c) 3:2 cao **B1**

(c) Answer: **3:2**

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