1.10 Factors, Multiples, Primes and Squares: 10-minute Pack

Total Marks

Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Amir multiplies a number by 9 and gets 81. What was his original number? Show your working.

(2)

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2 Write all the common factors of 26 and 44.

Answer: ___

(2)

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3 Which of these numbers is a multiple of 3?

328, 208, 751, 803, 336

Answer: ___

(1)

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4 The sum of 3 consecutive even numbers is 144.

What is the smallest of the 3 numbers?

Answer: ___

(2)

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5 Which number between 40 and 60 has exactly three factors? Write the number and list its factors.

(2)

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Mark scheme · 1.10 Factors, Multiples, Primes and Squares: 10-minute Pack

Question 1

Correct operation to undo multiplication, e.g. 81 ÷ 9 seen	**M1**
Original number 9 cao	**B1**

Answer: **9**

Question 2

lists the factors of each number	**M1**
1, 2 cao	**A1**

Answer: **1, 2**

Question 3

336 cao	**B1**

Answer: **336**

Question 4

uses the mean or tests numbers	**M1**
46 cao	**A1**

Answer: **46**

Question 5

Identify number 49 (a square of a prime) or equivalent	**B1**
List factors 1, 7, 49 cao	**B1**

Answer: **49; 1, 7, 49**

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