10.3-8 Reasoning Practice Paper 8: 10-minute Pack

NATIONAL CURRICULUM KS2 National Curriculum Mathematics - Reasoning Practice Paper Framework · Calculators not allowed · about 10 minutes

Total Marks

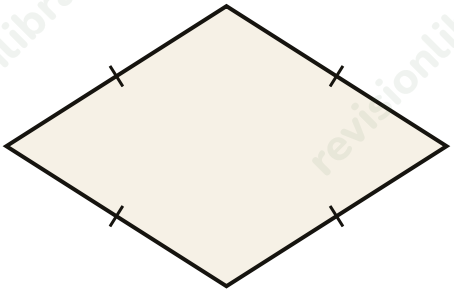
Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A minibus can carry 9 passengers. 124 pupils from a primary school are going on a trip and every pupil needs a seat. Work out the smallest number of minibuses needed.

(2)

2 A quadrilateral has two pairs of parallel sides, all four sides the same length, and no right angles. Write down the mathematical name of this shape.



(1)

3 Write 8/10 in its simplest form.

Answer: ___

(2)

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4 On a map, 1 cm shows 2 km. Two towns are 4 cm apart on the map.

How far apart are the towns in real life?

Answer: ___ km

(1)

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5 Work out 2 2/3 + 3 2/3.

Give your answer in its simplest form.

Answer: ___

(2)

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Mark scheme · 10.3-8 Reasoning Practice Paper 8: 10-minute Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

124 / 9 = 13 remainder 7 (or 13.7... seen) oe	M1
14 (minibuses) cao, with recognition that 13 minibuses would leave 7 pupils without a seat	A1

Answer: **14 minibuses**

Question 2

rhombus cao	B1

Answer: **Rhombus**

Question 3

divides numerator and denominator by a common factor	M1
4/5 cao	A1

Answer: **4/5**

Question 4

8 km cao	B1

Answer: **8 km**

Question 5

converts to a common denominator	M1
6 1/3 or 19/3 cao	A1

Answer: **6 1/3**

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