10.5 Reasoning Practice Paper: 10-minute Pack

Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A school has 240 pupils. Three quarters of the pupils go on a trip. How many pupils go on the trip?

(a) Find the number of pupils who go on the trip. **(2)**

.....

2 Ravi eats 4/12 of a pie on Monday and 6/12 on Tuesday.

What fraction of the pie is left? Give your answer in its simplest form.

Answer: ___

(2)

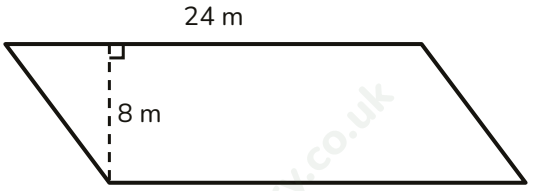
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3 A parallelogram has a base of 24 m and a perpendicular height of 8 m.

What is its area in square metres?

Answer: ___

Diagram NOT accurately drawn



(2)

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4 A bag contains red, blue and green counters. There are 5 red, 3 blue and 2 green counters. What fraction of the counters are blue? Give your answer in simplest form.

(a) Give the fraction of counters that are blue in simplest form. **(3)**

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Mark scheme · 10.5 Reasoning Practice Paper: 10-minute Pack

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

Question 1

(a) Shows 240 x 3/4 or finds 1/4 then multiplies	**M1**
(a) 180 cao	**A1**

(a) Answer: **180**

Question 2

10/12 eaten seen	**M1**
1/6 cao	**A1**

Answer: **1/6**

Question 3

base x height	**M1**
192 square metres cao	**A1**

Answer: **192 square metres**

Question 4

(a) Counts total counters 5 + 3 + 2 = 10	**M1**
(a) Forms fraction 3/10	**M1**
(a) 3/10 cao	**A1**

(a) Answer: **3/10**

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