and a

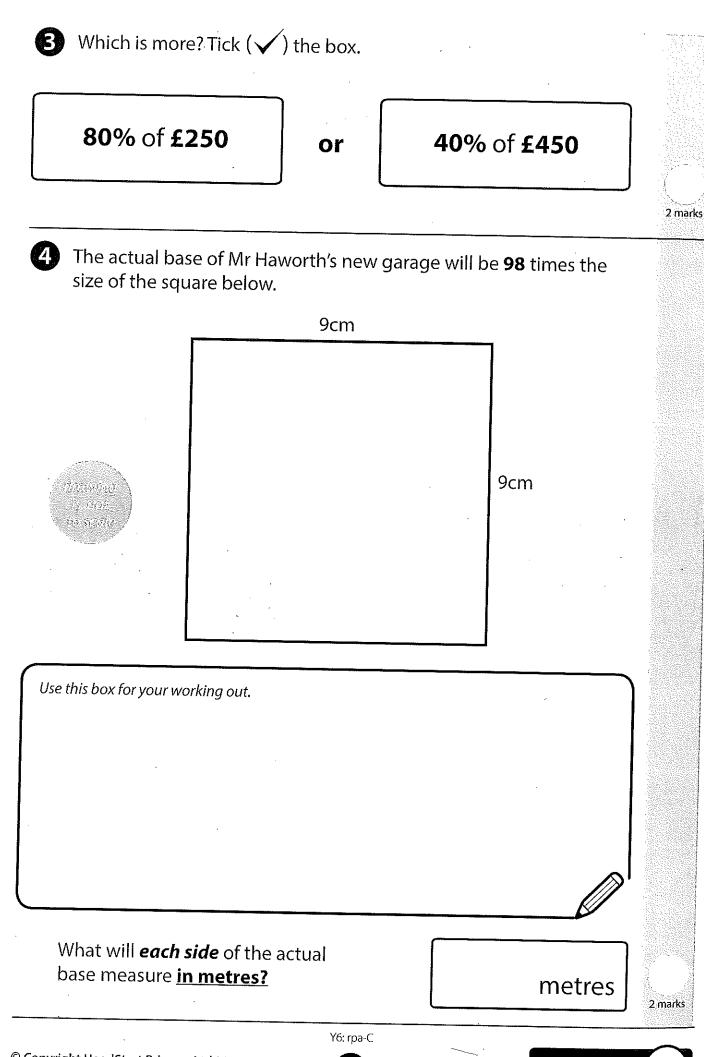
3

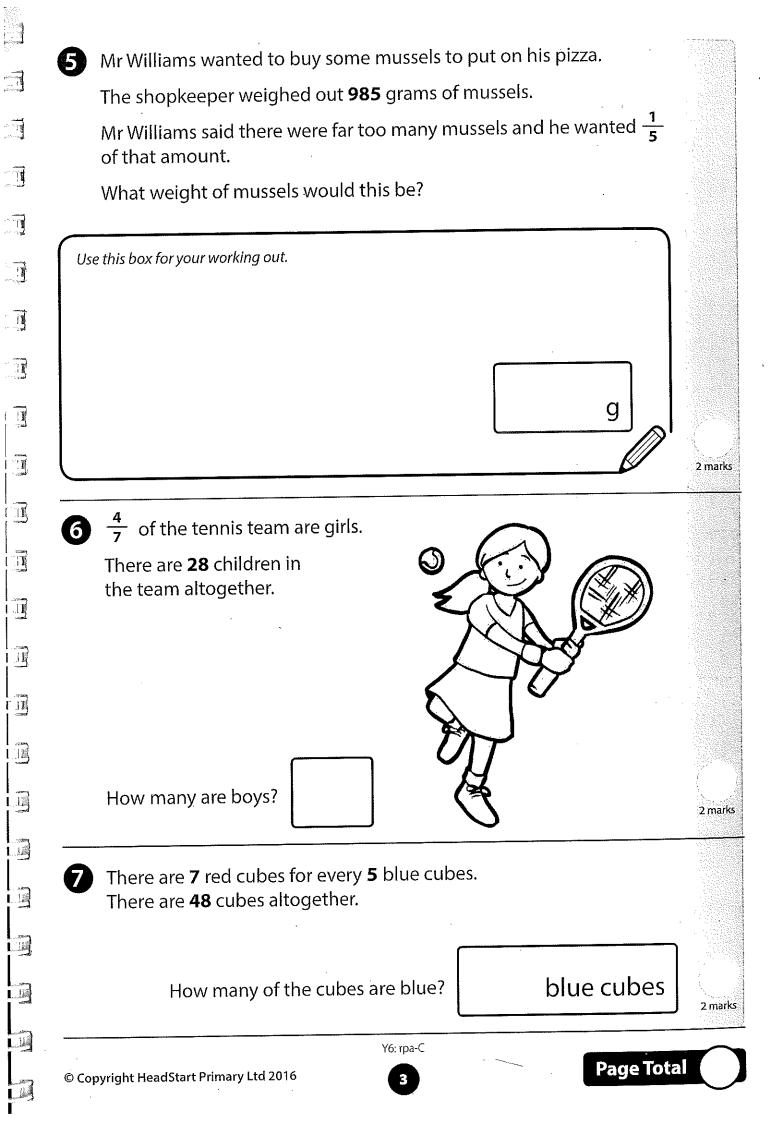
1

Mathematics Assessment: RATIO AND PROPORTION / ALGEBRA

Class..... Date..... To make 4 fruit drinks, Jana needs 400 ml of orange and 600 ml of lemonade. How much orange and lemonade would she need to make 6 fruit drinks? Use this box for your working out. ml of orange and ml of lemonade 2 marks Solve the following. 25% of 160 children have brown eyes. How many children have brown eyes? 9% of 500 children are left handed. How many children are left handed? 2 marks

Y6: rpa-C





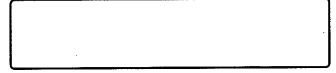




Rulers cost 20p each. Look at the formula below which shows how to calculate the cost of any number of rulers.

Total cost = 20n pence

What does 'n' stand for?



2 marks

10 Describe the pattern in the number sequence below.

13,

20, 27, 34,

41,

Use this box to describe the pattern.

2 marks

1 Look at the sequence below.

- 5,
- 13,
- 17,
- 21,

1st

T

- en

1

13

Ī

- 2nd
- 3rd
- 4th
- 5th

Rajeev says the formula for the sequence is $(n \times 4) + 1$ (n = 1st, 2nd, 3rd, 4th number etc)

Use the formula to find the 22nd number in the sequence.

2 marks

12 Find the value of a' in the equations below.

- a=
- a=
- a=

2 marks

Circle () represents **32**. Look at the equation below.

What does \bigwedge represent?



2 marks

M	72.3
W.	الحا
₹.	

 $\mathbf{b} + \mathbf{1} = \mathbf{6}$. Use this information to find the value of 'a' and 'b'.

$$a + 6 = b + 7$$

$$\mathbf{a} = \bigcap$$

2 marks

Look at the equation below. Find **3** different pairs of values for 'a' and 'b'.

$$\mathbf{a} \times \mathbf{b} = 24$$

a		b
	X	

a		b
	Х	

2 marks

End of Test

Page Total

TEST TOTAL

30

PERCENTAGE SCORE

%

Y6: rpa-C