

Name:

## READ THE FOLLOWING CAREFULLY:

- 1. Calculators are NOT permitted.
- 2. You have 1 hour.
- 3. Total 70 marks

**1.** The table shows the number of competitors in the Olympic Games held in each of 6 cities.

City	Number of competitors
Munich	7123
Montreal	6028
Moscow	5217
Los Angeles	6797
Seoul	8465
Barcelona	9367

(a) Which number in the table is the largest?

		(1)
(b)	Write down the value of the 2 in the number 5217	
	•••••••••••••••••••••••••••••••••••••••	(1)
(c)	Write the number 8465 correct to the nearest thousand.	
	•••••••••••••••••••••••••••••••••••••••	•••••
		(1)
(d)	Which number in the table is a multiple of 4?	
		(1)
(e)	Use a number from the table to make this calculation correct.	
		(1)
	(Total for Question 1 is 5 ma	rks)

2. The bar chart shows information about the number of people in the world who had swine flu on each of the first 5 days of May 2009.



3. (a) Work out the number which is exactly halfway between 0.3 and 0.6





(a) The clock shows the time in the **afternoon** at which a train leaves Colombo for Kandy.

Write down this time using the 12-hour clock.

(b) The train arrives in Kandy at five to eight in the evening.

On the clock face, draw hands to show a time of five to eight.



(1)

(c) Jamie's piano exam starts at 10.47. It lasts 18 minutes. At what time does his exam finish?

(2)

(d) A train leaves Barton at 4.15 pm and arrives at Dedford at 19.10. How long is the train journey?

......hours.....minutes

(2)

(Total for Question 4 is 6 marks)

5. Kali is drawing a pictogram to represent the number of DVDs he owns. He sorts his DVDs into different types.

) represents 4 DVDs

Type of DVD	Number of DVDs
Film	
Music	$\bigcirc \bigcirc \bigcirc \bigcirc$
Comedy	G
Wildlife	

(a) How many Music DVDs does Kali own?

Key

•••••	•••••	 •••••
		(1)

(b) How many more Film DVDs than Comedy DVDs does Kali own?

.....(2)

(c) Kali owns 6 Wildlife DVDs.Complete the pictogram to show this information.

(1)

(Total for Question 5 is 4 marks)

6 (a)	Simplify	3m + 4m							
								(	 1)
(b)	Simplify fu	$lly \frac{12x}{6}$							
(c)	Solve 7y	v + 1 = 36						(	1)
						•••••	•••••	(2	 2)
					(Tot	al for Q	uestion (	6 is 4 mark	s)
	2	6	9	16	17	18	20		
From the	e numbers ir	۱ the box, ۱	write c	lown					
(a) both	n the odd nu	mbers,							
				•••••	•••••	•••••	• • • • • • • • • • • •	(2	 2)
(b) both	the square	numbers,							
			•••••			•••••	•••••	(2	 2)
(c) both	n the prime r	numbers.							

(2)

**8** (a)



- (i) What fraction of this shape is shaded? Give your fraction in its simplest form.
- (ii) Write your answer to part (i) as a decimal.

(3)

(b)



- (i) Shade 20% of this shape.
- (ii) What percentage of the shape is unshaded?

.....% (2)

## (Total for Question 8 is 5 marks)

•	kilometre	millimetre	metre	centimetre

9.

centilitre	kilogram	gran	litro	е
(a) Write	down a sensible unit from	the box above to m	ieasure	
(i)	the length of a hand			
(ii)	the length of a ship			(1)
/				(1)
(111)	the mass of an apple			
				(1)
(b) How r	nany millimetres are equiv	alent to 1 metre?		(1)
				(2)
		(Total fo	or Question 9 is	5 marks)
<b>10.</b> On the p	robability scale, mark with	n a cross (×), the pr	obability that	

- (i) you will have something to drink tomorrow. Label this cross **A**.
- (ii) a teacher chosen at random was born on a Monday. Label this cross **B**.
- (iii) a fair 6-sided dice will show an even number when thrown. Label this cross **C**.



0	0.5	1

(Total for Question 10 is 3 marks)

11. There are 4 pears in a pack.

(i) How many pears are there in 5 packs?

.....

(ii) There are 3 people in the Jones family. Each person eats one pear every day.

a) How many pears will the Jones family eat in 7 days?

.....

b) How many packs of pears will the Jones family need to buy to have enough pears for 7 days?

(2)

(1)

(1)

(iii) A pack of 4 pears costs £1.56. Work out the cost of each pear.

> (2) (Total for Question 11 is 5 marks)

12. (a) Write the number twenty thousand and forty six in figures.

(b) Work	aout		(1)
(i)	304 × 10		
(ii)	5.1 × 100		(1)
(iii)	4.2 ÷ 10		(1)
(iv)	9080 ÷ 100		(1)
(c) Two What	numbers add to m are the two numb	ake 9 and multiply to make 18. ers?	(1)

(2)

(Total for Question 12 is 7 marks)

13. Here are some patterns made from sticks.





Pattern number 1

Pattern number 2

Pattern number 3

(a) In the space below, draw Pattern number 4.

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(2)
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This rule can be used to work out the number of sticks in each pattern.

Multiply the Pattern number by 5 and then add 1

(b) Work out the number of sticks in Pattern number 6.

.....(1)

c) What is the total of the first five prime numbers?

d) What is	the value of: 10 - 1 + 8 - 3 + 6 - 5 + 4 - 7 + 2 - 9?	(1)
e) Find	d the value of 14 <sup>2</sup> - 13 <sup>2</sup> ?	(1)

(Total for Question 14 is 5 marks)

## END OF EXAMINATION