Test I Marks: 75 Time: 60 minutes Section A [38] Write the numbers in digits. Ι. (4) two hundred and thirty-five thousand, six hundred and eleven 1.1. 1.2. eight hundred thousand, eight hundred and eighty-eight 1.3. five hundred and sixty-two thousand, nine hundred and seventy-nine three million, four hundred and ninety thousand, seven hundred and twenty-two 1.4. Give the values of the underlined digits. (4) 2. 2.1. 347 685 2.2. 804 967 2.3. 279 825 2.4. 1 486 397 3. Think about prime numbers. (5) 3.1. What is a prime number? What is the only even prime number? _____ 3.2. 3.3. Find the sum of the first eight prime numbers. 3.4. List the prime numbers between 15 and 35.

4.	Thinl	c about facto	rs.						(7)
	4.1.	List the fact	ors of 24	in factor	pairs.				
	4.2.	List the fact	ors of 36	in factor	pairs.				
	4.3.	These are th	e factors	of 48. H	ighlight tl	ne prim	ne facto	ors.	
		I 2 3	4	6 8	12	16	24	48	
	4.4.	Circle the nu	Imbers in	questior	n 4.3 that	are mi	ultiples	of 4.	
5.	High	light the odd	numbers	S.					(1)
	248 3	865 8 744	705 0	00 16	6 921				
6.	List t	he numbers	in ascene	ding ord	ler.				(2)
	11,01	I I,00I	011,1	1,11	0,111	0,0	001	101,101	

7. Write the answers as quickly as you can.

X

42 ÷ 7 =	7 × = 56	48 ÷ 4 × 6 =
× 6 = 54	6 × 6 =	54 ÷ 9 = 30 ÷
8 × = 24	108 ÷ = 12	2 ÷ =
32 ÷ = 4	72 = × q	1 000 = 100 ×
99 = 9 ×	5 × × 4 = 100	72 ÷ 6 × 12 =

(15)

3

Section **B**

X

8. Fill in +, -, \times or \div to complete the rules in the flow diagrams. (2)



9. Fill in the missing values.



Section C

- 10. Colour the shapes as indicated.
 - 10.1. Colour the shapes that have only straight sides in blue.
 - 10.2. Colour the shapes that have only curved sides in red.
 - 10.3. Colour the shapes that have straight and curved sides in green.



(5)

[11]

(3)



- 12.2. Draw a shape that has at least two right angles.
- 12.3. Draw a heptagon.

Section	D	[12
Section	D	l

13. Write the times as 24-hour times. Include the morning and evening times. (4)





(3)

- 14. Write the times as digital times.
 - 14.1. twenty-five past three in the afternoon
 - 14.2. quarter to twelve in the evening
 - 14.3. twenty-seven minutes later than twenty-five past five in the afternoon

15. Look at the calendar and answer the questions.

	1992																			
		Jo	anua	ry			February						Ν	1arc	h					
S	Μ	Т	W	Т	F	S	S	Μ	Т	W	Т	F	S	S	Μ	Т	W	Т	F	S
			I	2	3	4							I	Ι	2	3	4	5	6	7
5	6	7	8	q	10		2	3	4	5	6	7	8	8	q	10		12	13	14
12	13	14	15	16	17	18	q	10		12	13	14	15	15	16	17	18	١٩	20	21
19	20	21	22	23	24	25	16	17	18	19	20	21	22	22	23	24	25	26	27	28
26	27	28	29	30	31		23	24	25	26	27	28	29	29	30	31				
			Apri	I						May	l						June	•		
S	Μ	Т	W	Т	F	S	S	Μ	Т	W	Т	F	S	S	Μ	Т	W	Т	F	S
			I	2	3	4						I	2		I	2	3	4	5	6
5	6	7	8	q	10		3	4	5	6	7	8	q	7	8	q	10		12	13
12	13	14	15	16	17	18	10		12	13	14	15	16	14	15	16	17	18	١٩	20
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27
26	27	28	29	30			24	25	26	27	28	29	30	28	29	30				
							31													
	July				·						August									
	·		July						Α	ugu	st					Sep	otem	ber		
S	Μ	Т	July ₩	Т	F	S	S	Μ	A T	ugu: W	st T	F	S	S	Μ	Sep T	otem W	ber T	F	S
S	Μ	Т	July W	Т 2	F 3	S 4	S	Μ	A T	ugu: W	st T	F	S	S	Μ	Sep T	otem W 2	ber T 3	F 4	S 5
S	M 6	T 7	July W I 8	Т 2 9	F 3 10	S 4	S 2	M 3	A T 4	ugu : W 5	st T 6	F 7	S 8	S 6	M 7	Sep T 1 8	otem W 2 9	ber T 3 10	F 4	S 5 12
S 5 12	M 6 13	T 7 14	July W I 8 15	T 2 9 16	F 3 10 17	S 4 11 18	S 2 9	M 3 10	A T 4 11	ugu: W 5 12	st T 6 13	F 7 14	S 8 5	S 6 13	M 7 14	Sep T 1 8 15	btem W 2 9 16	ber 3 10 17	F 4 11 18	S 5 12 19
S 5 12 19	M 6 13 20	T 7 14 21	July ₩ 8 5 22	T 2 9 16 23	F 3 10 17 24	S 4 11 18 25	S 2 9 16	M 3 10 17	A T 4 11 18	ugu: ₩ 5 12 19	st T 6 13 20	F 7 14 21	S 1 8 15 22	S 6 13 20	M 7 14 21	Sep T 1 8 15 22	btem 2 9 16 23	ber T 3 10 17 24	F 4 11 18 25	S 5 12 19 26
S 5 12 19 26	M 6 13 20 27	T 7 14 21 28	July W I 8 15 22 29	T 2 9 16 23 30	F 3 10 17 24 31	S 4 11 18 25	S 2 9 16 23	M 3 10 17 24	A T 4 11 18 25	ugu: W 5 12 19 26	st T 6 13 20 27	F 7 14 21 28	S 	S 6 13 20 27	M 7 14 21 28	Sep T 1 8 15 22 29	V 2 9 16 23 30	ber T 3 10 17 24	F 4 11 18 25	S 5 12 19 26
S 5 12 19 26	M 6 13 20 27	T 7 14 21 28	July ₩ 1 8 15 22 29	T 2 9 16 23 30	F 3 10 17 24 31	S 4 11 18 25	S 2 9 16 23 30	M 3 10 17 24 31	A T 4 11 18 25	ugu: W 5 12 19 26	st T 6 13 20 27	F 7 14 21 28	S 1 8 15 22 29	S 6 13 20 27	M 7 14 21 28	Sep T 1 8 15 22 29	V 2 9 16 23 30	ber T 3 10 17 24	F 4 11 18 25	S 5 12 19 26
S 5 12 19 26	M 6 13 20 27	T 7 14 21 28	July W I S 22 29 Ctob	T 2 9 16 23 30 er	F 3 10 17 24 31	S 4 11 18 25	S 2 9 16 23 30	M 3 10 17 24 31	A T 4 11 18 25 No	ugu: W 5 12 19 26 Vem	st T 6 13 20 27 ber	F 7 14 21 28	S 1 8 15 22 29	S 6 13 20 27	M 7 14 21 28	Sep T 1 8 15 22 29 29 De	V 2 9 16 23 30	ber T 3 10 17 24 ber	F 4 11 18 25	S 12 19 26
S 5 12 19 26 S	M 6 13 20 27 M	T 7 14 21 28 0 T	July W 1 8 15 22 29 ctob	T 2 9 16 23 30 er T	F 3 10 17 24 31 F	S 4 11 18 25 S	S 2 9 16 23 30 S	M 3 10 17 24 31 M	A T 4 11 18 25 No T	ugu: V 5 12 19 26 vem V	st T 6 13 20 27 ber T	F 7 14 21 28 F	S 1 8 15 22 29	S 6 13 20 27 S	M 7 14 21 28 M	Sep T 1 8 15 22 29 29 De T	V 2 9 16 23 30 cem W	ber T 3 10 17 24 ber T	F 4 11 18 25	S 5 12 19 26
S 5 12 19 26 S	M 6 13 20 27 M	T 7 14 21 28 0 T	July W 1 8 15 22 29 Ctob	T 2 9 16 23 30 er T I	F 3 10 17 24 31 31 F 2	S 4 11 18 25 S 3	S 9 16 23 30 S 1	M 3 10 17 24 31 M 2	A T 4 11 18 25 No T 3	ugu: V 5 12 19 26 vem Vem 4	st T 6 13 20 27 27 ber T 5	F 7 14 21 28 F 6	S 1 8 15 22 29 29 S 7	S 6 13 20 27 S	M 7 14 21 28 M	Sep T 1 8 15 22 29 De T 1	W 2 9 16 23 30 cem W 2	ber T 3 10 17 24 ber T 3	F 4 11 18 25 	S 5 12 19 26 S 5
S 5 12 19 26 S 4	M 6 13 20 27 M 5	T 7 14 21 28 0 T	July V 1 8 15 22 29 ctob V 7	T 2 9 16 23 30 er T 1 8	F 3 10 17 24 31 31 F 2 9	S 4 11 18 25 S 3 10	S 2 9 16 23 30 S 1 8	M 3 10 17 24 31 31 M 2 2 9	A T 4 11 18 25 No T 3 10	ugu: V 5 12 19 26 vem V 4 11	st T 6 13 20 27 27 ber T 5 12	F 7 14 21 28 7 8 6 13	S 15 22 29 S 7 14	S 6 13 20 27 S 6	M 7 14 21 28 	Sep 1 1 22 29 De T 1 8	V 2 q 16 23 30 cem V 2 q 16 23 30 Cem V 2 q 1 2 q	ber T 3 10 17 24 ber T 3 10	F 4 11 25 25 F 4	S 12 19 26 S 5 12
S 5 12 19 26 S 4 11	M 6 13 20 27 27 M 5 12	T 7 14 21 28 0 T T 6 13	July I I S I S 22 29 Ctob V T T I I I I I I I I I I I I I I I I I	T 2 9 16 23 30 er T 1 8 15	F 3 10 17 24 31 31 F 2 9 16	S 4 11 18 25 S 3 10 17	S 2 9 16 23 30 S 1 8 15	M 3 10 17 24 31 31 M 2 9 16	A T 4 11 18 25 No T 3 10 17	ugus 5 12 19 26 vem Vem 4 11 18	st T 6 13 20 27 27 ber 5 12 19	F 7 14 21 28 F 6 13 20	S 15 22 29 S 7 14 21	S 6 13 20 27 S 6 13	M 7 14 21 28 M 7 14	Sep 1 1 22 29 De 1 8 15 15 15	w 2 9 16 23 30 cem w 2 16	ber T 3 10 17 24 24 ber T 3 10 17	F 4 11 25 25 F 4 11 18	S 12 19 26 S 5 12 19
S 5 12 19 26 S 4 11 18	M 6 13 20 27 27 M 5 12 19	T 7 14 21 28 0 T T 6 13 20	July V 1 8 15 22 29 Ctob V 7 14 21	T 2 9 16 23 30 er T 1 8 15 22	F 3 10 17 24 31 31 7 F 2 9 16 23	S 4 11 18 25 S 3 10 17 24	S 9 16 23 30 S 1 8 15 22	M 3 10 17 24 31 31 24 31 24 31 21 9 16 23	A T 4 11 18 25 No T 3 10 17 24	ugu: √ 5 12 19 26 vem √ 4 11 18 25	st T 6 13 20 27 27 ber T 5 12 12 19 26	F 7 14 21 28 7 6 13 20 27	S 15 22 29 S 7 14 21 28	S 6 13 20 27 S 6 13 20	M 7 14 21 28 M 7 14 21	Sep 1 1 22 29 De T 1 8 15 22	V 2 q 16 23 30 cem V 2 q 16 23 16 23 30	ber T 3 10 17 24 ber T 3 10 17 24	F 4 11 25 7 7 7 7 8 7 7 8 7 11 18 25	S 12 19 26 S 12 5 12 12 19 26

15.1. Was 1992 a leap year? Explain your answer.

15.2. What was the date one month, one week and five days after your birthday?

15.3. How many days were there from 16 March to 28 May? _____

- 15.4. Stinky was born on 17 March, but Kurt could only take him home when he was eight weeks old. When could he take Stinky home?
- 15.5. Complete: Stinky was _____ days old when he went home with Kurt.

6

Pages read during the Readathon					
Girls:					
Nilah					
Jayda					
Kiara					
Boys:					
Kyle					
Bongani					
Sabiso					

Кеу:		
	indicates 8 pages	indicates 4 pages

- 16.1. Fill in the total number of pages each child read.
- 16.2. Did the girls or the boys read more pages? _____
- 16.3. What is the difference between the most and the least pages read?
- 16.4. How many pages in total did the children read?
- 16.5. If the children were sponsored 12c per page, how much money did

they collect? _

(7)

Answers

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Test I

Sect	ion A			[38]				
1.1.	235 611			(1)				
١.2.	800 888							
١.3.	562 979							
1.4.	3 490 722	2		(1)				
2.1.	40 000			(1)				
2.2.	800 000			(1)				
2.3.	800			(1)				
2.4.	1 000 000	C		(1)				
3.1.	A prime r	number is	any nun	nber that				
	has only	two facto	ors, name	ly I and itself. (I)				
3.2.	2			(1)				
3.3.	77			(1)				
3.4.	17 19	23 29	31	(2)				
4.1.	I,24 2,	12 3,8	4, 6	(2)				
4.2.	I,36 2,	18 3, 1	24,9	6, 6 (2)				
4.3.	2 3			(1)				
4.4.	4 8 16	24 48	8	(2)				
5.	248 365	16 921		(1)				
6.	0,001 0	,III I,C	01 1,11	,0				
	011,1 1	01,101		(2)				
7.	6	8	72	(15)				
	q	36	5					
	3	q	11					
	8	8	10					

X

Section B



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[7]

(1)

(1)

(5)

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Sect	ion C		[[]]
10.1.	Shapes 2	and 4	(1)
10.2.	Shapes I	and 5	(1)
10.3.	Shape 3		(1)
11.1.	triangle		(1)
11.2.	pentagon		(1)
11.3.	hexagon		(1)
11.4.	quadrilate	eral	(1)
12.1.	square or	rectangle	(1)
12.2.	Check tho	it your child has drawn	
	a shape w	vith at least two right angles.	(1)
12.3.	Check tho	It your child has drawn	
	a shape w	vith seven sides.	(2)
Sect	ion D		[12]
131	10.15	22.15	(2)
13.1.	na.40	21:40	(2) (2)
14.1	15.25	21.40	(2)
1/. 2	23.45		(1)
14.3	17.52		(1)
15.1	Yes 1992	is divisible by 4 February ba	, י , d
10.1.	29 daus		u (1)
152	Answers v	will varu	(1)
15.3	74 daus	tang.	(1)
15.4	12 Mau		(1)
15.5.	56 days o	ld	(1)
Sect	ion F		[7]
14 1	Nilah		(1)
10.1.	Tauda	44	(1)
	Jayaa Kiawa	100	
	Kiara	32	
	Kyle Bonggni	00	
	Бондані Саріал	00	
160	SUDISO	20	(2)
10.2.	the gins		(Z) (2)
10.3.	2//		(Z) (T)
10.4.	044 / 100 o or	P/1 29	(1)
10.0.	4 120 C UI	1141,20	(1)
		Toto	al: 75

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Skills tables

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Test I

	Question number	Level of difficulty	Similar questions	More exercises for further practice
Numbers, operations	I	Easy	Test 6 question 4	Smart-Kids Mathematics
and relationships	2	Easy	Test 6 question 2	Grade 6
	3	Easy to medium	Test I question 4 Test I question 5	Smart-Kids Skills Calculations
	4	Medium	Test I question 3 Test I question 5	
	5	Easy	Test I question 3 Test I question 4	
	6	Easy	Test 3 question 4 Test 4 question 6	
	7	Challenging	Test 4 question 1 Test 4 question 3 Test 5 question 3	
Patterns, functions and algebra	8	Medium	Test I question 9 Test 4 question 9 Test 5 question 6	<i>Smart-Kids Mathematics</i> Grade 6
	q	Medium	Test I question 8 Test 4 question 9 Test 5 question 6	<i>Smart-Kids Skills Calculations</i> Grade 6
Space and shape (Geometry)	10	Easy	Test 6 question 11 Test 6 question 12	<i>Smart-Kids Mathematics</i> Grade 6
		Easy to medium	Test 6 question 11 Test 6 question 12	Smart-Kids Skills Calculations
	12	Medium	Test 2 question 12 Test 3 question 11	Grade o
Measurement	13	Medium	Test I question I4 Test 6 question I4	Smart-Kids Mathematics Grade 6
	14	Medium	Test I question I3 Test 6 question I4	Smart-Kids Skills Calculations
	15	Medium to challenging	Test 4 question 16	Grude o
Data handling	16	Medium to challenging	Test 2 question 17 Test 3 question 19 Test 6 question 15	Smart-Kids Mathematics Grade 6 Smart-Kids Skills Calculations Grade 6

Test 2

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	Question number	Level of difficulty	Similar questions	More exercises for further practice
Numbers, operations	I	Easy	Test 2 question 2	Smart-Kids Mathematics
and relationships	2	Easy to medium	Test 2 question I	Grade 6
	3	Easy to medium	Test 5 question 2	Grade 6
	4	Easy	Test 2 question 7	
	5	Easy	Test 6 question I	

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