

# Mathematics

TEST 1

Marks: 40

Time: 60 minutes

**1. Fill in the missing numbers. (2)**

1.1 310; 320; \_\_\_\_\_; 340; \_\_\_\_\_; 360; \_\_\_\_\_; \_\_\_\_\_; 390

1.2 130; 133; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

**2. Complete the table. (4)**

Number in symbols	Number in words
443	
	three hundred and two
251	
	seventy-six

**3. Arrange the numbers from smallest to biggest. (1)**

643    221    784    143    97    695    981

**4. Write the values of the underlined numbers. (2)**

4.1 643 \_\_\_\_\_

4.2 781 \_\_\_\_\_

4.3 348 \_\_\_\_\_

4.4 924 \_\_\_\_\_

**5. Break up the numbers. (2)**

5.1  $643 = 600 + \square + \square$

5.2  $251 = \square + 50 + \square$

6. Complete the table.

(3)

Before	Number	After
444	445	
	732	733
199		201

7. Add the numbers.

(2)

7.1  $64 + 23 =$

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7.2  $131 + 245 =$

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8. Subtract the numbers.

(2)

8.1  $89 - 24 =$

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8.2  $378 - 131 =$

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9. Fill in the table.

(4)

Halve	Number	Double
	46	
	24	

10. Jody has 5 packets of bubble gum. She has 23 pieces of bubble gum in each packet. How many pieces does she have altogether?

(1)

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11. Continue the pattern.

(1)



**12. Complete the number patterns. (2)**

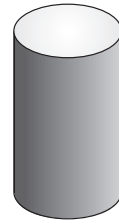
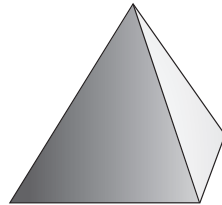
12.1 2; 4; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

12.2 20; 40; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

**13. Complete the money table. (1)**

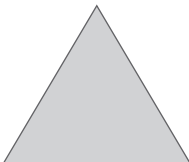
R5 coins	1	2	3	4	5	6	7
Total money	R5			R20			

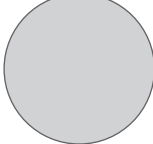
**14. Match the objects with the words. (2)**




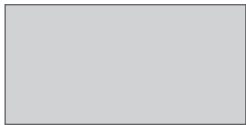
cone      pyramid      sphere      cylinder

**15. Name the shapes. (2)**

15.1   
\_\_\_\_\_

15.2   
\_\_\_\_\_

15.3   
\_\_\_\_\_

15.4   
\_\_\_\_\_

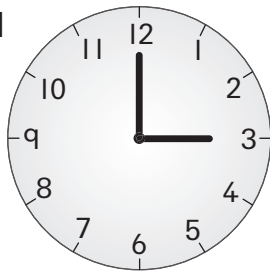
**16. Name two shapes that have more than four sides. (1)**

\_\_\_\_\_

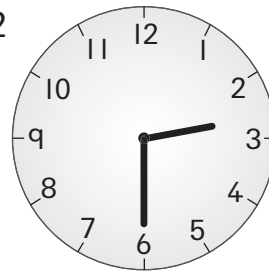
**17. What is the time?**

**(3)**

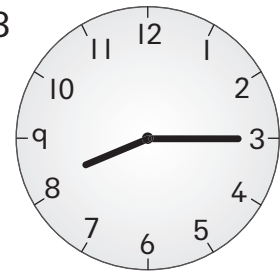
17.1



17.2



17.3



\_\_\_\_\_

\_\_\_\_\_

**18. Complete.**

**(3)**

18.1 There are \_\_\_\_\_ days in 5 weeks.

18.2 14 days is \_\_\_\_\_ weeks.

18.3 36 months is \_\_\_\_\_ years.

**19. Place the following information in the graph below.**

**(2)**

- 6 children have green eyes
- 2 children have blue eyes
- 8 children have brown eyes
- 1 child has grey eyes
- 3 children have eyes that are another colour

Number of children	8					
	7					
	6					
	5					
	4					
	3					
	2					
	1					
		Green	Blue	Brown	Grey	Other
<b>Eye colour</b>						

# Answers

## Mathematics Test I

1.1 330; 350; 370; 380

1.2 136; 139; 142; 145; 148 (2)

2. (4)

Number in symbols	Number in words
	four hundred and forty-three
302	
	two hundred and fifty-one
76	

3. 97, 143, 221, 643, 695, 784, 981 (1)

4.1 600

4.2 80

4.3 8

4.4 900 ( $4 \times \frac{1}{2} = 2$ )

5.1 40, 3

5.2 200, 1 (2)

6. (3)

Before	Number	After
		446
731		
	200	

7.1 87

7.2 376 (2)

8.1 65

8.2 247 (2)

9. (4)

Halve	Number	Double
23		92
12		48

10. She has 115 pieces altogether. (1)

11.  (1)

12.1 6; 8; 10; 12; 14; 16; 18; 20

12.2 60; 80; 100; 120; 140; 160 (2)

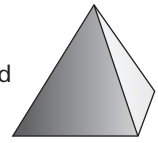
13. (1)

R5 coins	1	2	3	4	5	6	7
Total money		R10	R15		R25	R30	R35

14. cone



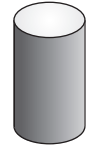
pyramid



sphere



cylinder



$(4 \times \frac{1}{2} = 2)$

15.1 triangle

15.2 circle

15.3 square

15.4 rectangle ( $4 \times \frac{1}{2} = 2$ )

16. Two of these: pentagon, hexagon, octagon, decagon ( $2 \times \frac{1}{2} = 1$ )

17.1 3:00 or 3 o'clock

17.2 2:30 or half past 2

17.3 8:15 or quarter past eight (3)

18.1 35

18.2 2

18.3 3 (3)

19.

8					
7					
6					
5					
4					
3					
2					
1					
	Green	Blue	Brown	Grey	Other

(2)

**Total: 40**

# Skills tables

## Mathematics Test 1

Section of the curriculum	Question number	Level of difficulty	Similar questions	More exercises for extra practice	
Numbers, operations and relationships	1	easy to medium	Test 2 Question 2 Test 3 Question 1 Test 4 Question 1	<i>Smart-Kids Mathematics</i> Grade 3 (blue pages)	
	2	easy	Test 2 Question 3 Test 3 Question 2 Test 4 Question 2		<i>Smart-Kids Skills Adding and Subtracting</i> Grades 1 to 3
	3	medium	Test 2 Questions 4 & 5 Test 3 Question 3 Test 4 Question 3		
	4	medium	Test 3 Question 4 Test 4 Question 5	<i>Smart-Kids Skills Multiplying and Dividing</i> Grades 1 to 3	
	5	easy to medium	Test 3 Questions 7 & 8		
	6	easy to medium	Test 2 Question 6 Test 3 Question 2	<i>Smart-Kids Skills Fractions</i> Grades 1 to 3	
	7	medium to challenging	Test 3 Question 5 Test 4 Question 10		
	8	medium to challenging	Test 3 Question 5 Test 4 Question 10		
	9	medium to challenging	Test 2 Question 11 Test 3 Questions 9 & 10		
	10	medium to challenging	Test 2 Questions 7 & 8 Test 4 Questions 8 & 9		
Patterns, functions and algebra	11	easy to medium	Test 2 Question 12 Test 4 Question 13	<i>Smart-Kids Mathematics</i> Grade 3 (blue pages)	
	12	medium	Test 2 Question 13 Test 3 Question 12 Test 4 Questions 12 & 14		
	13	medium to challenging	Test 4 Question 8		
Space and shape	14	medium	Test 2 Question 16 Test 4 Question 15	<i>Smart-Kids Mathematics</i> Grade 3 (green pages)	
	15	easy	Test 1 Question 16 Test 2 Questions 14 & 15 Test 4 Questions 15, 16 & 17		
	16	medium to challenging	Test 1 Question 15 Test 2 Questions 14 & 15 Test 4 Questions 15, 16 & 17		
Measurement	17	medium	Test 1 Question 18 Test 4 Question 18	<i>Smart-Kids Mathematics</i> Grade 3 (red pages)	
	18	medium	Test 1 Question 17 Test 4 Question 18		
Data handling	19	challenging	Test 2 Question 21 Test 3 Questions 18 & 19 Test 4 Question 20	<i>Smart-Kids Mathematics</i> Grade 3 (yellow pages)	