Test 1

Marks: 60 Time: 60 minutes

Section A [33]

1. Use the number 25 986 and follow the instructions. (10)

1.1. Add 4 500 to the number. _____

1.2. Subtract 6 700 from the number. _____

1.3. Round off the number to the nearest 1 000. _____

1.4. Multiply the number by 10. _____

1.5. Divide the number by 10. _____

1.6. Double the number. _____

1.7. Halve the number. _____

1.8. Decrease the number by 14 782. _____

1.9. Multiply the number by 4. _____

1.10. Use all the digits to make the biggest number possible. _____

2. Write the numbers in digits. (4)

2.1. fourteen thousand, six hundred and twelve _____

2.2. one hundred and six thousand, five hundred and nine _____

2.3. seventy thousand and four _____

2.4. five hundred and forty-two thousand, seven hundred and sixteen _____

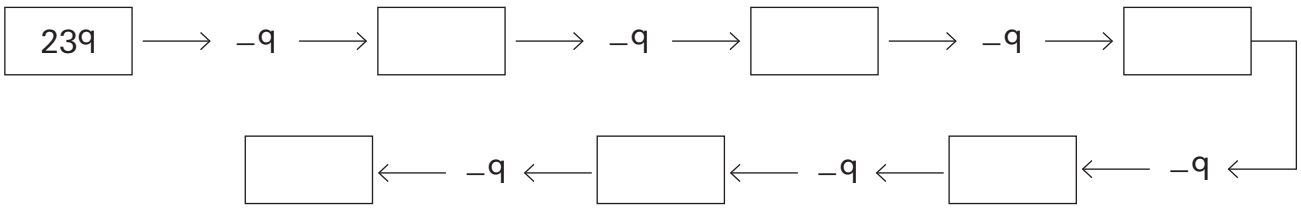
3. Give the values of the underlined digits. **(3)**

3.1. 34 <u>5</u>67 _____

3.2. <u>7</u>9 481 _____

3.3. 976,<u>4</u>2 _____

4. Complete the number chain. **(3)**



5. Write the numbers in expanded notation. **(3)**

5.1. 72 684

_____

5.2. 40 096

_____

5.3. 22 389

_____

6. Build up the numbers. **(3)**

6.1. 4 000 + 60 + 90 000 + 200 + 8 _____

6.2. 17 000 + 22 + 600 + 5 000 _____

6.3. 5 000 + six hundred + 20 thousand + nine _____

7. Replace the * with >, < or =. **(5)**

7.1. 1 011 * 11 011 _____

7.2. 400 + 800 * 1 600 – 500 _____

7.3. 5 972 * 5 000 + 70 + 90 + 2 _____

7.4. 15 001 * 14 999 _____

7.5. 25 009 – 10 * 24 999 _____

8. Arrange the numbers from smallest to biggest (ascending order). **(2)**

8.1. 42 050 45 255 42 005 42 500 42 000 42 555

_____

8.2. 011 101 10 111 101 011 111 111 111 011 110 101

_____

Section B **[5]**

9. Calculate. **(5)**

9.1. 172 = 100 + 60 + _____

9.2. 54 – 15 = _____ + 15 = 54

9.3. 42 ÷ 7 × 7 = _____

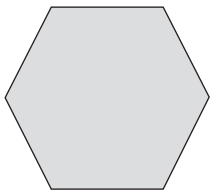
9.4. _____ ÷ 8 = 1

9.5. 387 – 142 = _____,

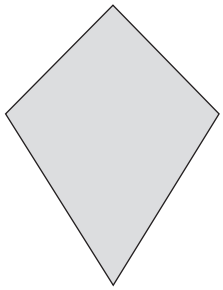
therefore 245 + 142 = _____

Section C [10]

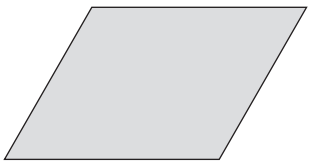
10. Name the shapes. **(5)**

10.1. 

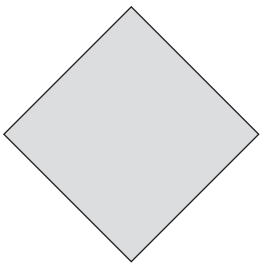
_____

10.2. 

_____

10.3. 

_____

10.4. 

_____

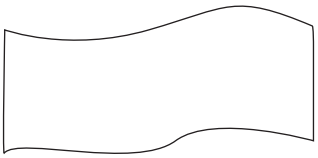
or _____

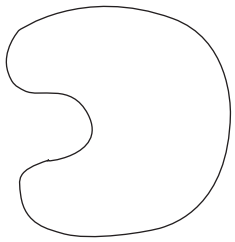
11. Colour the shapes as indicated. **(5)**

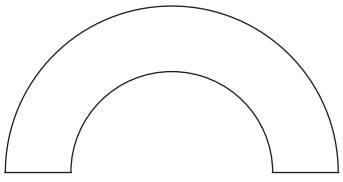
11.1. Colour the shapes that have only curved sides red.

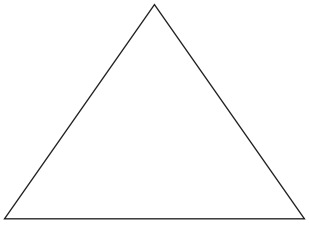
11.2. Colour the shapes that have only straight sides blue.

11.3. Colour the shapes that have curved and straight sides orange.





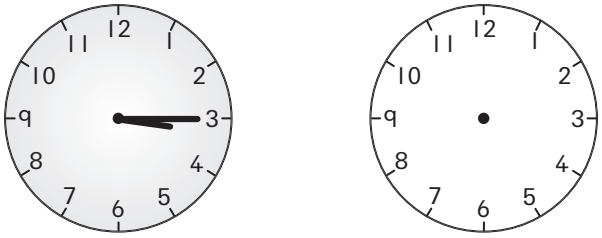




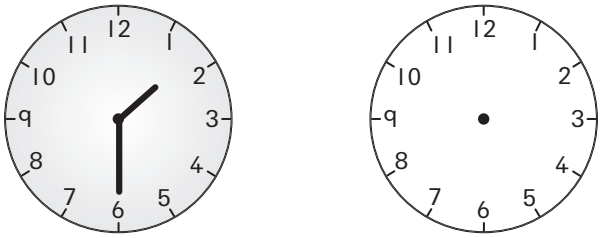
Section D [7]

12. Draw the times on the clocks as indicated. (4)

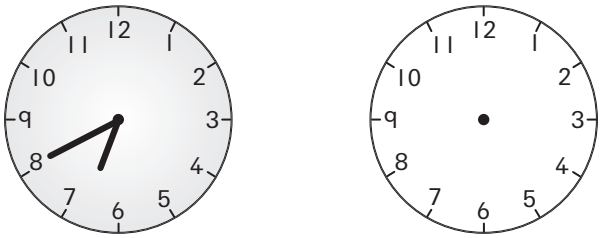
12.1. Draw the hands on the second clock so the time is 25 minutes later.



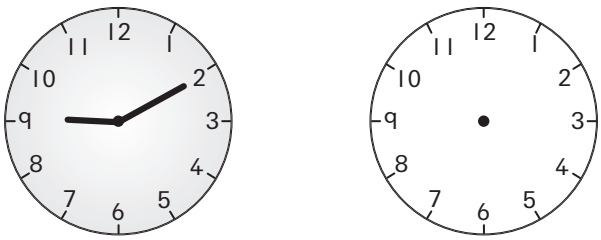
12.2. Draw the hands on the second clock so the time is 40 minutes earlier.



12.3. Draw the hands on the second clock so the time is 75 minutes later.



12.4. Draw the hands on the second clock so the time is 65 minutes earlier.



13. Write the times in minutes and seconds. (3)

13.1. 65 seconds _____

13.2. 525 seconds _____

13.3. 320 seconds _____

Section E [5]

14. The tally table shows how many times Honey chased Einstein in a school week. Study it carefully and then answer the questions. (5)

Day	Tally	Number
Monday	𝍸 ///	
Tuesday	𝍸 𝍸 //	
Wednesday	𝍸	
Thursday	𝍸 𝍸 𝍸 /	
Friday	𝍸 ///	

14.1. Fill in how many times Einstein was chased each day. Use the number column.

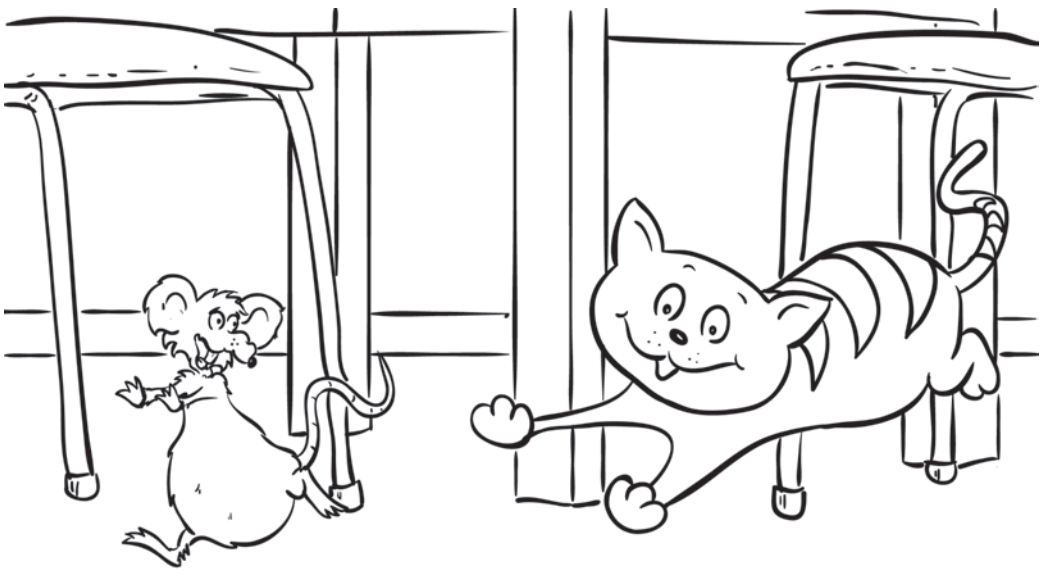
14.2. On which day was Einstein chased the most? _____

14.3. On which day was Einstein chased the least? _____

14.4. On which days was Einstein chased an equal number of times?

_____

14.5. How many times was Einstein chased in total? _____



Answers

Test 1

Section A [33]

1.1. 30 486 (1)
1.2. 19 286 (1)
1.3. 26 000 (1)
1.4. 259 860 (1)
1.5. 2 598,6 (1)
1.6. 51 972 (1)
1.7. 12 993 (1)
1.8. 11 204 (1)
1.9. 103 944 (1)
1.10. 98 652 (1)
2.1. 14 612 (1)
2.2. 106 509 (1)
2.3. 70 004 (1)
2.4. 542 716 (1)
3.1. 500 (1)
3.2. 70 000 (1)
3.3. 0,4 or $\frac{4}{10}$ (1)
4. 230 221 212 203 194 185 ($6 \times \frac{1}{2} = 3$)
5.1. 70 000 + 2 000 + 600 + 80 + 4 (1)
5.2. 40 000 + 90 + 6 (1)
5.3. 20 000 + 2 000 + 300 + 80 + 9 (1)
6.1. 94 268 (1)
6.2. 22 622 (1)
6.3. 25 609 (1)
7.1. < (1)
7.2. > (1)
7.3. > (1)
7.4. > (1)
7.5. = (1)
8.1. 42 000 42 005 42 050 42 500 42 555 45 255 (1)
8.2. 10 111 011 101 101 011 110 101 111 011 111 111 (1)

Section B [5]

9.1. 12 (1)
9.2. 39 (1)
9.3. 42 (1)
9.4. 8 (1)
9.5. 245 and 387 ($2 \times \frac{1}{2} = 1$)

Section C [10]

10.1. hexagon (1)
10.2. kite (1)
10.3. parallelogram (1)
10.4. diamond or square (2)
11.1. Your child colours the third shape red. (1)
11.2. Your child colours the first and last shapes blue. (2)
11.3. Your child colours the second and fourth shapes orange. (2)

Section D [7]

12.1.  (1)
12.2.  (1)
12.3.  (1)
12.4.  (1)
13.1. 1 min 5 s (1)
13.2. 8 min 45 s (1)
13.3. 5 min 20 s (1)

Section E [5]

14.1. Monday 8, Tuesday 12, Wednesday 5, Thursday 16, Friday 8 (1)
14.2. Thursday (1)
14.3. Wednesday (1)
14.4. Monday and Friday ($2 \times \frac{1}{2} = 1$)
14.5. 49 times (1)

Total: 60

Skills tables

Test 1

	Question number	Level of difficulty	Similar questions	More exercises for further practice
Numbers, operations and relationships	1	Easy to medium	Test 3 Question 4	*Smart-Kids Mathematics* Grade 5 *Smart-Kids Skills Calculations* Grade 5
	2	Easy	Test 4 Question 1	
	3	Medium	Test 5 Question 2	
	4	Medium	Test 5 Question 1	
	5	Medium to challenging	Test 1 Question 6	
	6	Medium	Test 4 Question 2 Test 5 Question 6	
	7	Easy to medium	Test 6 Question 2	
	8	Easy to medium	Test 1 Question 7 Test 1 Question 8 Test 6 Question 2	
Patterns, functions and algebra	9	Easy to medium	Test 2 Question 1 Test 3 Question 2	*Smart-Kids Mathematics* Grade 5 *Smart-Kids Skills Calculations* Grade 5
Space and shape (Geometry)	10	Easy to medium	Test 2 Question 12 Test 4 Question 11 Test 5 Question 8	*Smart-Kids Mathematics* Grade 5 *Smart-Kids Skills Calculations* Grade 5
	11	Easy	Test 4 Question 11 Test 6 Question 11	
Measurement	12	Easy to medium	Test 5 Question 13	*Smart-Kids Mathematics* Grade 5 *Smart-Kids Skills Calculations* Grade 5
	13	Medium	Test 5 Question 14	
Data handling	14	Medium to challenging	Test 2 Question 16 Test 3 Question 13 Test 4 Question 16 Test 5 Question 15 Test 6 Question 14	*Smart-Kids Mathematics* Grade 5 *Smart-Kids Skills Calculations* Grade 5

Test 2

	Question number	Level of difficulty	Similar questions	More exercises for further practice
Numbers, operations and relationships	1	Easy to medium	Test 3 Question 2	*Smart-Kids Mathematics* Grade 5 *Smart-Kids Skills Calculations* Grade 5
	2	Easy	Test 1 Question 1	
	3	Medium	Test 2 Question 4	
	4	Medium to challenging	Test 2 Question 3 Test 2 Question 6	
	5	Challenging	Test 4 Question 5 Test 4 Question 6 Test 6 Questions 3–5	
	6	Easy to medium	Test 2 Question 4	
	7	Medium to challenging	Test 3 Question 1 Test 5 Question 3	
Patterns, functions and algebra	8	Medium	Test 2 Question 9 Test 5 Question 7 Test 6 Question 6	*Smart-Kids Mathematics* Grade 5 *Smart-Kids Skills Calculations* Grade 5
	9	Medium	Test 2 Question 9 Test 5 Question 7 Test 6 Question 6	