

## Year 3 Term 3 Test

<b>Student Name:</b> _____	<b>Grade:</b> _____
<b>Date:</b> _____	<b>Score:</b> _____

- Answer the questions in the spaces provided on the question sheets.
- If you run out of room for an answer, continue on the back of the page.
- This test has 47 questions, for a total of 100 marks.
- Do not use a calculator.
- Attempt all 47 questions.
- Time allowed: 60 minutes.

Page:	1	2	3	4	5	6	7	8	9	10	Total
Points:	10	10	10	10	10	10	10	10	10	10	100
Score:											

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**Numeration** (1 through 5)

1. How many factors does 24 have? [2]

1. \_\_\_\_\_

2. Change the Roman numerals into our own numerals:

(a) DCLXIV = [1]

(a) \_\_\_\_\_

(b) CXXXVIII = [1]

(b) \_\_\_\_\_

3. Change these Hindu-Arabic numerals into Roman numerals:

(a) 2007 = [1]

(a) \_\_\_\_\_

(b) 1961 = [1]

(b) \_\_\_\_\_

4. What is the value of the third digit in the numeral 123456? [2]

4. \_\_\_\_\_

5. Find the sum of first five prime numbers. [2]

5. \_\_\_\_\_

**Order of Operations** (6 through 10)

6.  $(12 + 5) \times (9 - 4)$

[2]

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6. \_\_\_\_\_

7.  $28 - 12 + 4 \times (2 + 6)$

[2]

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7. \_\_\_\_\_

8.  $6 \times 16 \div 4 + 18 - 6$

[2]

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8. \_\_\_\_\_

9.  $6 \div 2 + \boxed{?} \times 6 = 27$ . Find the missing number that fits in the box.

[2]

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9. \_\_\_\_\_

10.  $8 + 12 \div (2 + 4) - 5$

[2]

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10. \_\_\_\_\_

**Fractions and Decimals (11 through 15)**

11.  $\frac{1}{3} + \frac{2}{5}$  [2]

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11. \_\_\_\_\_

12.  $\frac{2}{3} - \frac{4}{7}$  [2]

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12. \_\_\_\_\_

13.  $1\frac{1}{2} + 2\frac{2}{5}$  [2]

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13. \_\_\_\_\_

14.  $12.48 + 2.06$  [2]

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14. \_\_\_\_\_

15.  $12.48 - 2.06$  [2]

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15. \_\_\_\_\_

**Chance and Data** (16 through 20)

16. What are the chances of rolling one die and scoring a 6? [2]

16. \_\_\_\_\_

17. A bag contains 5 red marbles, 4 green marbles and 6 yellow marbles. What is the chance of drawing out a red marble? [2]

\_\_\_\_\_  
\_\_\_\_\_

17. \_\_\_\_\_

18. A coin has a 'head' and a 'tail' side. If I toss two coins:

(a) What are the chances of getting 2 heads? [1]

(a) \_\_\_\_\_

(b) What are the chances of getting a head and a tail? [1]

(b) \_\_\_\_\_

19. Jane buys a box of chocolates, which comes with different fillings inside. The flavors are: 6 pecan and 6 orange. What's the probability that the first chocolate Jane eats has pecan inside? [2]

\_\_\_\_\_  
\_\_\_\_\_

19. \_\_\_\_\_

20. In a single drawer, Ruth has some socks of different colours: 6 purple and 6 blue. What is the smallest number of socks he needs to pull out to guarantee getting a matching pair? [2]

\_\_\_\_\_  
\_\_\_\_\_

20. \_\_\_\_\_

**Position** (21 through 23)

21. Looking at the grid, describe in words the position of:

A			
		B	
	C		

(a) The letter A in relation to the letter B.

[2]

(a) \_\_\_\_\_

(b) The letter C in relation to the letter A.

[2]

(b) \_\_\_\_\_

22. On the grid below create a magic square by placing the numbers in the position indicated.

C			
B			
A			
	X	Y	Z

A, X -> 8; A, Y -> 3; A, Z -> 10; B, X ->9; B, Y ->7; B, Z -> 5; C, X ->5; C, Y -> 11; C, Z -> 6;

(a) In which position is the incorrect number?

[2]

(a) \_\_\_\_\_

(b) What should the number be?

[2]

(b) \_\_\_\_\_

23. Which square should be coloured to make this design symmetrical to the centre line?

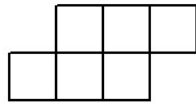
[2]

C								
B								
A								
	1	2	3	4		5	6	7

23. \_\_\_\_\_

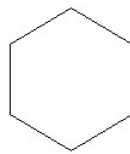
**Graphs** (24 through 27)

24. How many rectangles can you see in the figure shown below? [2]



24. \_\_\_\_\_

25. How many sides, angles and diagonals does a hexagon have? [2]

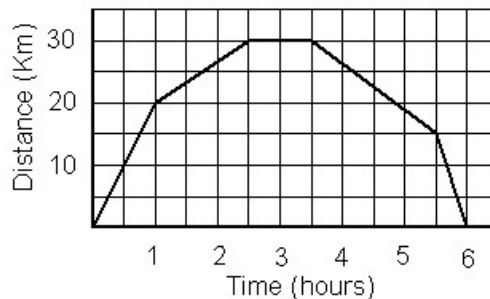


sides: \_\_\_\_\_ , angles: \_\_\_\_\_ , diagonals: \_\_\_\_\_

26. How many lines of symmetry does a regular pentagon have? [2]

26. \_\_\_\_\_

27. The diagram shows a trip made by a car.



(a) How far did the car travel in the first hour? [2]

(a) \_\_\_\_\_

(b) What was the average speed for the whole journey? [2]

(b) \_\_\_\_\_



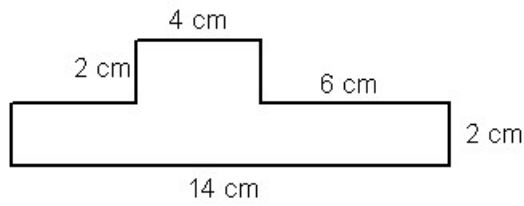
**Measurement** (28 through 32)

28. 12 km = \_\_\_\_\_ m. [1]

29. 0.25 litres = \_\_\_\_\_ mL. [1]

30. 1 m<sup>2</sup> = \_\_\_\_\_ cm<sup>2</sup> [2]

31. Find the perimeter and the area of the figure shown below:



\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

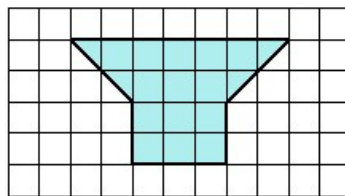
(a) Perimeter = ? [2]

(a) \_\_\_\_\_

(b) Area = ? [2]

(b) \_\_\_\_\_

32. Find the area of the shaded part if the area of each of small square is 1 cm<sup>2</sup>. [2]



\_\_\_\_\_

\_\_\_\_\_

32. \_\_\_\_\_

**Time and Date** (33 through 37)

33. How many minutes from half past 3 to 7 o'clock? [2]

33. \_\_\_\_\_

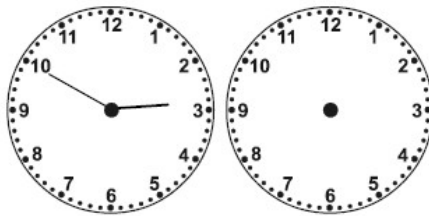
34. Jennifer was 15 minutes late for school. She arrived at twenty past 9. What time did school begin? [2]

34. \_\_\_\_\_

35. How many seconds in  $5\frac{1}{3}$  minutes? [2]

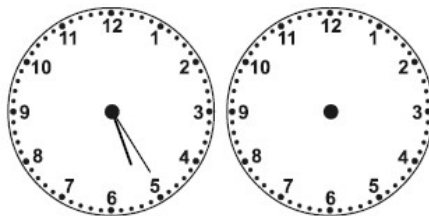
35. \_\_\_\_\_

36. What time was it 1 hour and 40 minutes ago? [2]



36. \_\_\_\_\_

37. What time will it be in 5 hours and 20 minutes? [2]



37. \_\_\_\_\_

**Number Pattern** (38 through 42)

38. What are the next two numbers in this sequence? [2]

67, 64, 61, 57, 54, 49, 46, \_\_\_\_\_ , \_\_\_\_\_

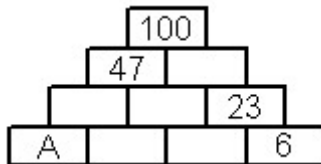
39. What are the next two numbers in this sequence? [2]

5, 10, 9, 18, 17, 34, 33, \_\_\_\_\_ , \_\_\_\_\_

40. What are the next two numbers in this sequence? [2]

48, 54, 51, 57, 54, 60, 57 \_\_\_\_\_ , \_\_\_\_\_

41. Each number is the sum of two numbers directly below it. Find the value of box **A**. [2]



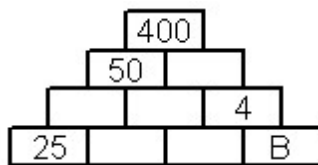
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41. \_\_\_\_\_

42. Each number is the product of two number directly below it. Find the value of box **B**. [2]



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42. \_\_\_\_\_

**Problem Solving** (43 through 47)

43. What is the smallest number that can be taken away from 78 to make the answer exactly divisible by 7? [2]

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43. \_\_\_\_\_

44. Keith has 36 stamps. Sam has three times as many as Keith. James has twice as many as Sam. How many stamps do they have altogether? [2]

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44. \_\_\_\_\_

45. One number is seven times another. Their sum is 64. Find the product of these two numbers. [2]

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45. \_\_\_\_\_

46. If two lemons balance an apple, and one grapefruit balances 2 apples. How many lemons balance three grapefruits? [2]

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46. \_\_\_\_\_

47. A book and a magazine cost a total of \$26. If the book cost \$6 more than the magazine, how much was the book? [2]

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47. \_\_\_\_\_