

32. The seats in an auditorium are numbered in sequence from 1 to 224. There are 8 seats in each row.

(a) How many rows are there in the auditorium? [1]

Answer \_\_\_\_\_ rows

(b) In which row can the seat numbered 85 be found? [1]

Answer \_\_\_\_\_ row

33. Fiona bakes pastries over a period of 6 days. The number of pastries made follows a pattern as shown in the table below. The number of pastries read on Day 1 and Day 2 are **not** shown.

Day	1	2	3	4	5	6
Number of pastries made			36	41	47	54

How many pastries were made altogether for the 6 days? [2]

Answer \_\_\_\_\_ pastries

34. Write the missing digit in each box below.

[2]

$$\begin{array}{r} 6 \quad \square \quad 3 \quad 2 \\ - 1 \quad 5 \quad 3 \quad 5 \\ \hline 3 \quad 8 \quad 9 \quad \square \\ \hline \end{array}$$

35. A jar contains chocolate and candies. For every 3 chocolates placed into the jar, 6 candies are included. If there is a total of 63 items in the jar, how many of them are candies? [2]

Answer \_\_\_\_\_ candies

36. Write the correct number in each shape below to complete the number sentences. [2]

$$299 \times 50 = (299 + \bigcirc) \times 50 - 50$$
$$299 \times 50 = \square \times 50 - 50$$

37. Derek collects one coin each week. The current number of coins in his collection is a factor of 60. Two weeks ago, the number of coins in his collection was a multiple of 9. How many coins does Derek have now? [2]

Answer \_\_\_\_\_ coins

38. Ria and Kelly estimated the answer to the following problem. [2]

	$80 \times 27$					
<table><tr><td>Ria's Estimate</td></tr><tr><td>1600</td></tr></table>	Ria's Estimate	1600		<table><tr><td>Kelly's Estimate</td></tr><tr><td>2400</td></tr></table>	Kelly's Estimate	2400
Ria's Estimate						
1600						
Kelly's Estimate						
2400						

Explain who had the better estimate and how it was calculated.

Answer \_\_\_\_\_

39. Joseph is keeping track of the number of push-ups he does each day for a week. The number of push-ups follows a pattern as shown in the table below. The values for Day 6 and Day 7 are **not** shown.

Day	1	2	3	4	5	6	7
Number of push-ups	30	38	46	54	62		

How many push-ups did Joseph complete for the week? [2]

Answer\_\_\_\_\_ push-ups

40. The square root of a number is 13 more than the difference of 26 and 18.  
What is the number? [2]

Answer\_\_\_\_\_

41. Write the correct number in each shape below to complete the number sentences. [2]

$$69 \times 25 = (67 + \bigcirc) \times 25 + 25$$

$$69 \times 25 = \square \times 25 + 25$$

42. In a library, one of the bookcases has 15 shelves where each shelf can hold 12 books. The first 8 shelves were completely occupied while there were 4 books in the 9<sup>th</sup> shelf. How many books can be placed in the remaining space of the bookcase? [2]

Answer \_\_\_\_\_ books

43. In preparation for the upcoming Student Hub excursion twelve 18-seater buses were hired to transport the Standard 5 students. Mr Springer then decided to include the Standard 4 class.

How many **more** buses will he need to hire to transport a combined total of 315 students?

[2]

Answer \_\_\_\_\_ buses

44. Four digits are shown below.

4	3	8	6
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Using EACH digit only ONCE, write the

- (a) SMALLEST four-digit number

[1]

Answer \_\_\_\_\_

- (b) LARGEST four-digit even number

[1]

Answer \_\_\_\_\_

45. When a number was divided by 14, the quotient was 8 more than 56 and the remainder was 9. What was the number? [3]

Answer \_\_\_\_\_

46. A gardener is planting rows of flowers and the number of flowers in each row follows a pattern. The pattern is shown below.

Row Number	Number of Flowers
1	7
2	12
3	17
4	22

- (a) What is the pattern rule for the number of flowers in each row? [1]

Answer \_\_\_\_\_

- (b) Using the same rule, how many flowers will be planted in row number 9? [1]

Answer \_\_\_\_\_ flowers

(c) For which row number will 62 flowers be planted?

[1]

Answer \_\_\_\_\_