Year 4 Answers 3rd July

1. Continue these number sequences:

   9, 18, 27, 36, 45, **54, 63, 72, 81, 90, 99, 108**

   775, 750, 725, 700, **675, 650, 625, 600, 575**

   5, 4, 3, 2, **1, 0, -1, -2, -3, -4, -5**

2. Find 100 less than these numbers:

   3912 **3812**

   9201 **9101**

   1083 **983**

3. Find 1000 less than these numbers:

   59 003 **58 003**

   17 351 **16 351**

   20 882 **19 882**

4. What is the value of the underlined digit in each number?

   1<u>8</u>46 **8 hundreds**

   <u>2</u>004 **2 thousands**

   158<u>9</u> **9 ones**

5. Put these numbers in order from smallest to largest.

   10 111 11 011 10 011 11 110 11 101

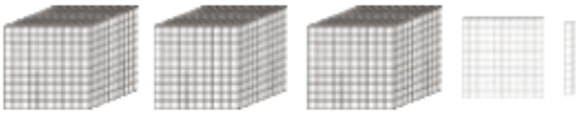
   Smallest **Largest**

10 011	10 111	11 011	11 101	11 110

6. Compare these numbers using <, > or =.

   454 [<] 544 660 [>] 606 2 tens 4 ones [=] 24 ones

1. What number is shown below? **3109**



2. Complete the table, showing the numbers in numerals and words.

2109	**Two thousand, one hundred and nine.**
1293	One thousand, two hundred and ninety-three.
29 431	**Twenty-nine thousand, four hundred and thirty-one.**
75 098	Seventy-five thousand and ninety-eight.

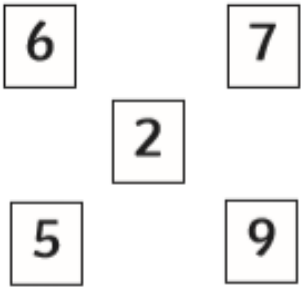
3. Use the information in the table to work out the value of these Roman numerals.

LXXII = **72**

XIV = **14**

CCLIX= **259**

Roman	Numeral
I	1
V	5
X	10
L	50
C	100



a) What is the largest number that can be made from these digit cards? **97 652**

b) What is the smallest number that can be made from these digit cards? **25 679**

1. Complete these calculations mentally:

421 + 50 = **471**

376 + 200 = **576**

250 - 99 = **151**

2. Complete these calculations:

1 3 5 7	3 5 9 2	7 9 8 5	5 $\not{2}^{2}\not{0}^{1}$ 1 9
+ 2 6 4 1	+ 4 2 3 8	- 1 3 4 2	- 3 2 6 7
3 9 9 8	**7 8 3 0**	**6 6 4 3**	**2 0 5 2**
	1 1		

3. Complete these calculations:

3410 + **2245** = 5655

6720 – **1500** = 5220

4. Use appropriate calculations to solve these problems.

a) At a cinema, there is room for 750 people in a screen. If the cinema sells 641 tickets for a screen, how many are left?

750 – 641 = 109

b) In one day, 2345 people visit the cinema. 1032 of them go and see an action film and the others go and see a comedy. How many people went to see the comedy?

2345 – 1032 = 1313 people

1. Fill in the missing numbers in the multiplication square.

x	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	**3**	4	**5**	6	**7**	8	9	**10**	11	12
2	2	**4**	6	8	**10**	12	14	**16**	18	20	**22**	24
3	3	**6**	**9**	12	15	**18**	21	24	**27**	30	33	**36**
4	**4**	8	12	**16**	20	24	**28**	32	36	**40**	44	48
5	5	10	**15**	20	25	**30**	35	40	**45**	50	55	**60**
6	6	**12**	18	24	30	36	**42**	**48**	54	60	**66**	72
7	**7**	14	21	**28**	**35**	42	49	56	**63**	70	77	**84**
8	8	16	**24**	32	40	**48**	56	64	72	**80**	88	96
9	**9**	18	27	**36**	45	54	63	**72**	81	90	99	108
10	10	**20**	30	40	**50**	60	70	80	90	100	**110**	120
11	**11**	22	33	**44**	55	66	**77**	88	**99**	**110**	121	**132**
12	12	24	**36**	48	60	**72**	84	**96**	108	120	**132**	144

2. Explain the pattern of the 9 times table.

The tens column increases by 1 each time and the ones column decreases by 1 at a time. Also, when the digits are added together they equal 9 (with the exception of 99).

3. Complete these calculations:

   250 × 4 = **1000**

   555 × 100 = **55 500**

   2540 × 0 = **0**

4. Use your knowledge of multiplication and division methods to solve these problems.

   a) A box of glue sticks contains 128 glue sticks. There are 4 classes in the school. How many glue sticks does each class get?

   32 glue sticks.

   b) To make a model, each child needs 8 lolly sticks. If lolly sticks come in packs of 30, how many packs would be needed for 28 children to make a model?

   224 lolly sticks are needed in total, so 8 packets are needed (8 × 30 = 240)

5. Use formal methods to complete these calculations.

   a) 45 × 6 = **270**

   b) 333 ÷ 9 = **37**

6. If we know that 12 × 13 = 156, what other calculations do we know? Write them below.

   13 × 12 = 156, 156 ÷ 12 = 13, 156 ÷ 13 = 12

7. Fill in the missing numbers.

   11 × 12 = 132

   125 ÷ **25** = 5

   8 × **15** = 120

   350 ÷ 7 = 50

1. Continue the number sequences.

$\frac{2}{10}, \frac{3}{10}, \frac{4}{10}, \frac{5}{10}, \frac{6}{10}, \frac{7}{10}, \frac{8}{10}, \frac{9}{10}, \frac{10}{10}$

$\frac{56}{100}, \frac{54}{100}, \frac{52}{100}, \frac{50}{100}, \frac{48}{100}, \frac{46}{100}, \frac{44}{100}, \frac{42}{100}$

2. Find $\frac{6}{8}$ of these bananas.

6/8 of 32 = 24

3. a) What fraction of the shape is shaded? $\frac{4}{6}$

5. (

b) Write 2 equivalent fractions to the amount shaded.

Accept $\frac{2}{3}$, $\frac{6}{9}$, $\frac{8}{12}$, $\frac{10}{15}$, $\frac{20}{30}$, $\frac{40}{60}$, $\frac{400}{600}$ or any other correct equivalent fraction.

4. Use the fraction wall to help you answer these questions.

1																							
$\frac{1}{3}$						$\frac{1}{3}$						$\frac{1}{3}$											
$\frac{1}{6}$				$\frac{1}{6}$				$\frac{1}{6}$				$\frac{1}{6}$				$\frac{1}{6}$				$\frac{1}{6}$			
$\frac{1}{12}$		$\frac{1}{12}$		$\frac{1}{12}$		$\frac{1}{12}$		$\frac{1}{12}$		$\frac{1}{12}$		$\frac{1}{12}$		$\frac{1}{12}$		$\frac{1}{12}$		$\frac{1}{12}$		$\frac{1}{12}$		$\frac{1}{12}$	
$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$	$\frac{1}{24}$

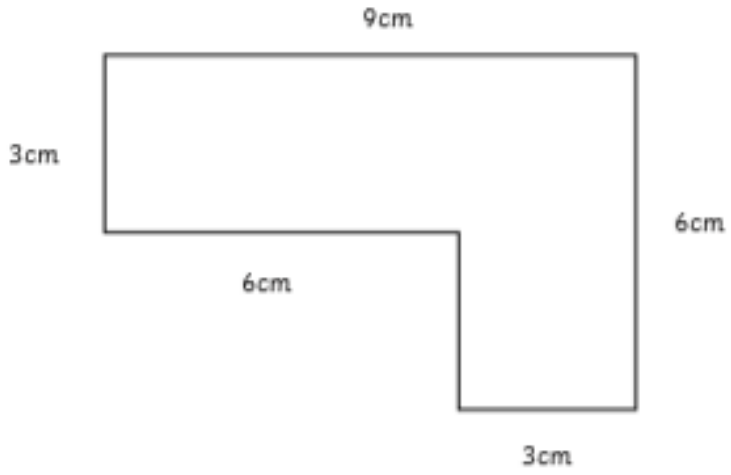
a) How many sixths are equivalent to $\frac{2}{3}$? $\frac{4}{6}$

b) How many twelfths are equivalent to $\frac{6}{24}$? $\frac{3}{12}$

c) How many twenty-fourths are equivalent to $\frac{5}{6}$? $\frac{20}{24}$

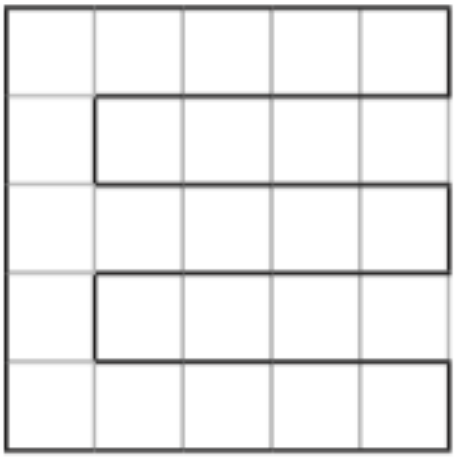
d) Would you rather have $\frac{7}{12}$ or $\frac{15}{24}$ of a cake? Why? **Pupils' own responses, showing understanding that $\frac{15}{24}$ is a larger fraction than $\frac{7}{12}$.**

1. Calculate the perimeter of this shape.



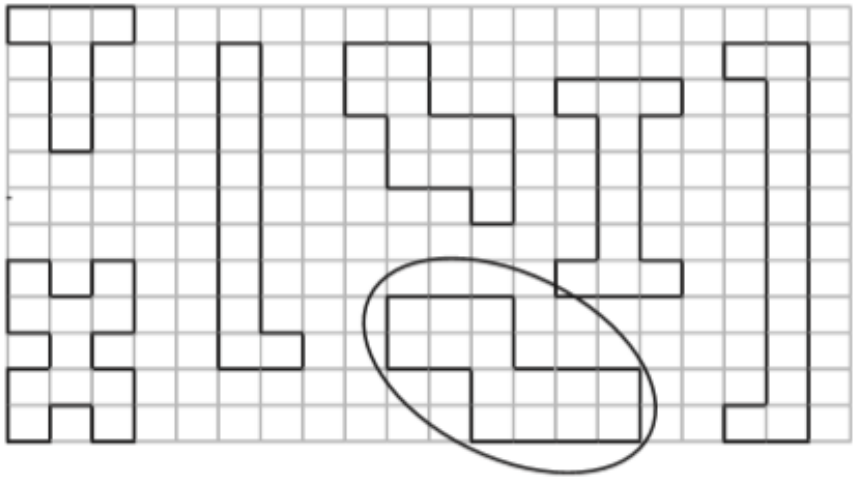
Perimeter = **30 cm**

2. What is the area of this shape?



Area = **17 cm²**

3. Which of these shapes has the largest area?



1. Write the time these clocks show.

3:45 or quarter to 4

10:25 or twenty-five past 5

1:55 or five to 2

2. Draw the hands to show the given time on each clock.

1:15 or quarter past 1

4:50 or ten to 5

7:45 or quarter to 8

3. A film lasts for 165 minutes. How long is the film in minutes and hours?

   2 hours 45 minutes

4. Complete the sentences.

There are **60** seconds in 1 minute.

There are **60** minutes in 1 hour.

There are **24** hours in 1 day.

There are **7** days in 1 week.

There are **365** days in 1 year.

There are **12** months in 1 year.

5. How many days are in June? **30 days**