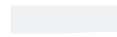




# Activity One



**1a)** Look at the pattern below.

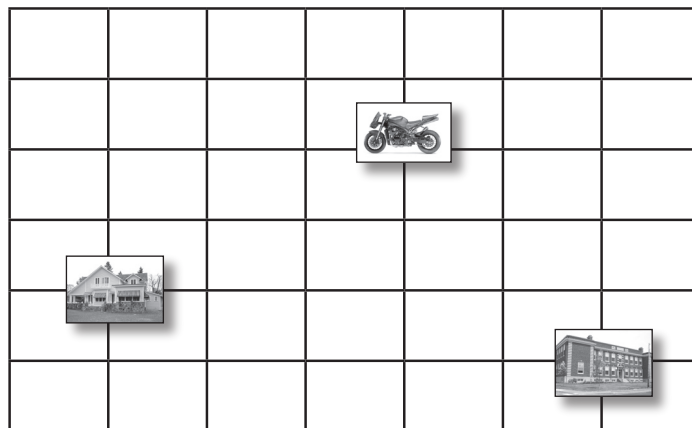


How many pencils and stars would come next in this pattern?

- i) 2 pencils and 3 stars
- ii) 1 pencil and 4 stars
- iii) 2 pencils and 5 stars
- iv) 1 pencil and 3 stars

**b)** Emma goes for a walk. She starts at her school and walks \_\_\_\_\_ squares up and \_\_\_\_\_ squares left and arrives where her brother is waiting with his motorcycle to take her home.

Fill in the blanks in the question above with the appropriate figures.



How does Emma get home from where her brother is waiting with his motorcycle?

Use the above grid to help you describe how she would get home.



## Activity Two

- 2a)** Jasmine is learning how to count by threes. Her teacher has asked her to use the number line below. She is to start with the number 1 and count by threes, marking the points. Mark the points for Jasmine.



- b)** Place the following numbers in the correct order by size - from largest to smallest.

5      26      11      1      75

1st     2nd     3rd     4th     5th

- c)** Circle the odd numbers from the list below.

9      10      11      23      34      1      16

- d)** This is an input-output table. An input-output table follows certain rules. See if you can find out the rule for this table.

Input	Output
10	7
12	9
7	4
20	17

Which of these rules would be correct?

- Subtract 2 from the number.
- Add 3 to the number.
- Subtract 3 from the number.
- Add 2 to the number.



## Activity Three

**3a) This is part of the hundreds chart with some numbers missing.**

17		19	
			30
	38	○	
47			

Which number belongs in the circle?

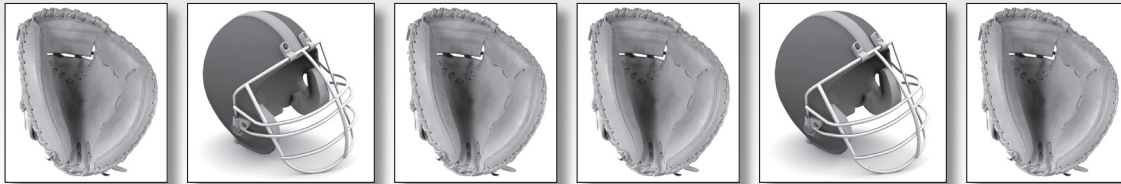
- i) 46      ii) 50      iii) 49      iv) 39

**b) Which number is missing from this pattern?**

15, 21, \_\_\_\_\_, 33, 39

- i) 28      ii) 29      iii) 27      iv) 26

**c) Look at this pattern.**



How would you show this pattern using letters?

- i) ABB      ii) ABA      iii) AAB      iv) BAB

**d) From the choices below, place the correct number in the box to make this number sentence true.**

$$11 + \square = 20$$

- i) 8      ii) 9      iii) 10      iv) 7



# Activity Four



**4a)** Look at the following pattern.



**What coin comes next in this pattern?**



**b)** Brian has 36 pairs of socks. What is one way of putting these pairs of socks into equal groups?

i) 9 groups of 3

ii) 7 groups of 5

iii) 4 groups of 9

iv) 10 groups of 4

**c)** Put these numbers from least to greatest:

14    17    9    23

<  <  <

**d)** How many Ferris Wheels are shown below?



**Answer:** \_\_\_\_\_



## Activity Five

**5a) What number goes in the box to make the sentence true?**

$$9 + \square = 18$$

- i) 7      ii) 8      iii) 10      iv) 9

**b) Look at the following number sentence.**

$$20 - 9 = 1 + \square$$

Which number should be placed in the box to complete the number sentence correctly?

Answer: \_\_\_\_\_

**c) What is the value of  $\square$  in the following equations? Show your work.**

i)  $5 + \square = 9$

ii)  $10 - \square = 4$

iii)  $\square + 1 = 11$

iv)  $7 + 8 = \square$

**d) Which is another way to show  $3 \times 6$ ?**

- i)  $6 + 6 + 6$       ii)  $3 + 3 + 3$       iii)  $6 + 6 + 6 + 6 + 6 + 6$       iv)  $3 + 6 + 3$

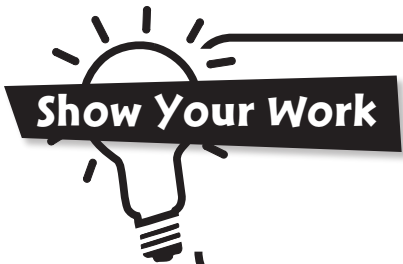


# Activity Six

**6a)** René and Jose both collect goldfish. For the school Science Fair they join their collections. This is a picture of what their collections looked like before they put them together.

René's Collection	+	Jose's Collection
	+	

Notice that there is a + sign between the 2 collections. When you add the goldfish together, what is the total number the 2 boys own?



Answer: \_\_\_\_\_

**b)** Complete the following counting chart by filling in the missing numbers.

9			12		14				19	
---	--	--	----	--	----	--	--	--	----	--

1.

a) ii) 1 pencil and 4 stars

b) Emma goes for a walk. She starts at her school and walks **3** squares up and **2** squares left and arrives where her brother is waiting with his motorcycle to take her home.

Her brother then drives her 3 squares to the left and 2 squares down.

1A

2.

a) Label the numbers 1, 4, 7

b) 75, 26, 11, 5, 1

c) 9, 11, 23, 1

d) iii) Subtract 3 from the number.

2A

3.

a) ii) 49

b) iii) 27

c) ii) ABA

d) ii) 9

3A

4.

a) iii)



b) iii) 4 groups of 9

c)  $9 < 14 < 17 < 23$

d) 11

4A

5.

a) iv) 9

b) 10

c) i) 4  
ii) 6  
iii) 10  
iv) 15

d) i)  $6 + 6 + 6$

5A

6.

a) 16

b) 10, 11, 13, 15, 16, 17, 18, 20

6A



(these answers are for the 6 free bonus pages, see page 3 for download instructions)