

Mathematics
Assessment Task Term 2
Grade 3

Name and Surname: _____

School: _____

Date: _____

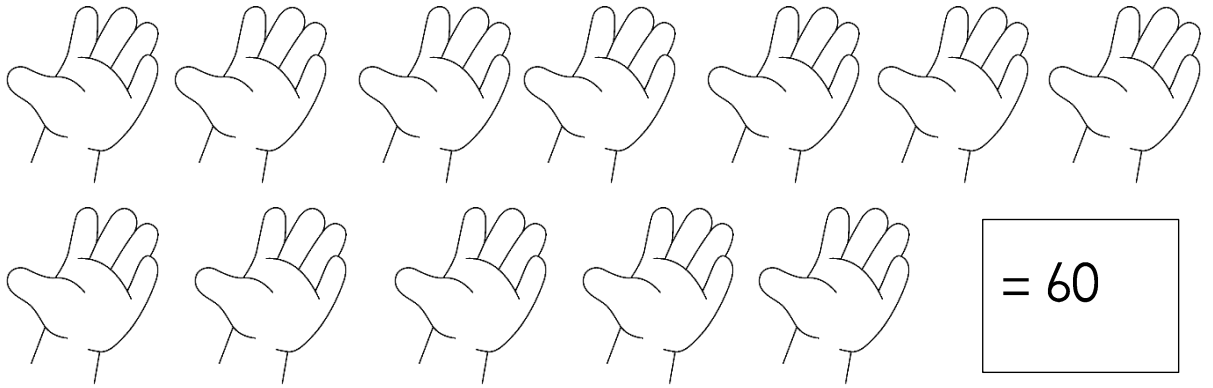
MEMO

Content Area		Marks
1. Numbers, Operations and relationships	60	
2. Patterns, Algebra and Functions.	30	
3. Space and Shape	40	
4. Measurement	40	
5. Data Handling	5	
Total	175	

Numbers, Operations and relationships Activity 1

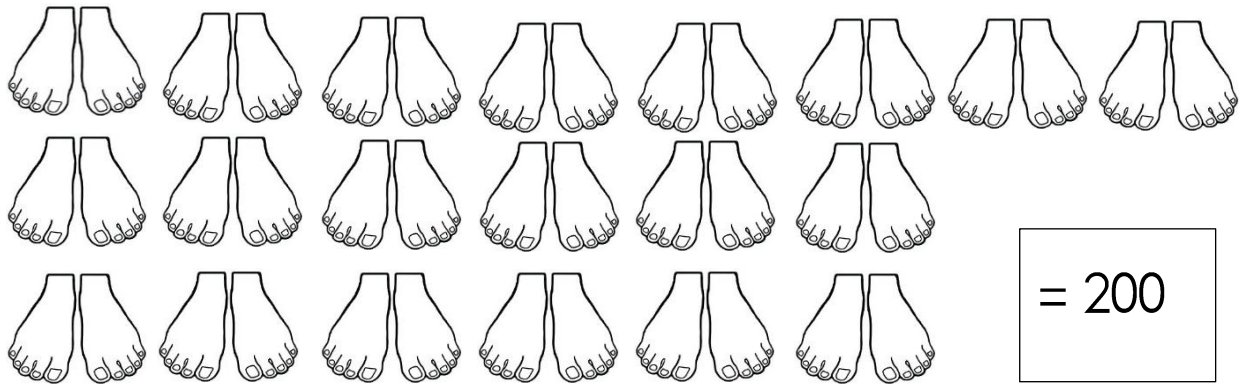
I.I. Count in multiples to help you find the answer. Write your answer in the block. (3)

I.I.I. How many fingers? Count in 5's.



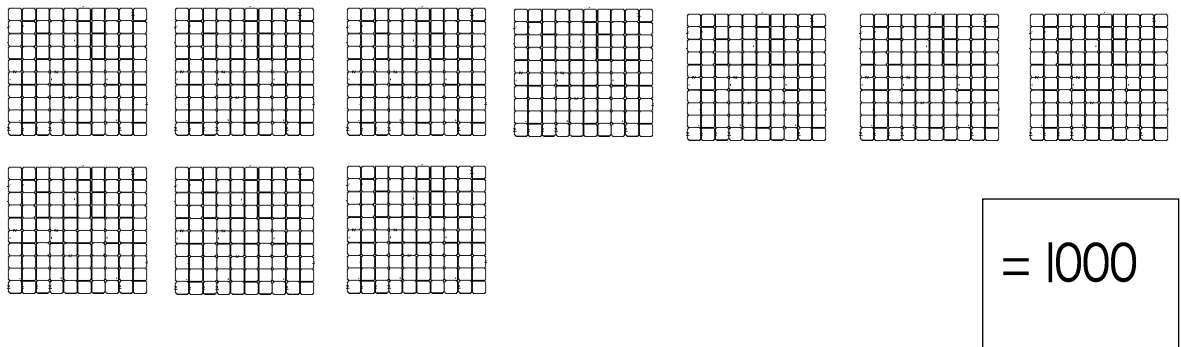
= 60

I.I.2. How many toes altogether? Count in 10's.



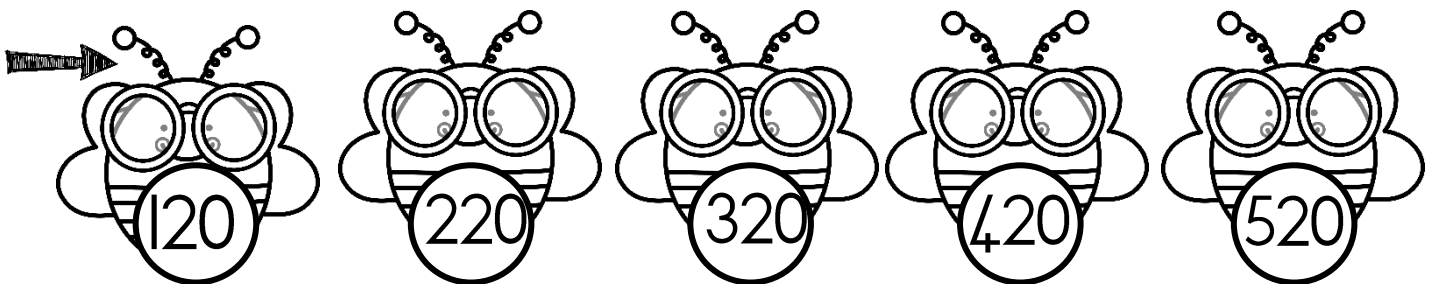
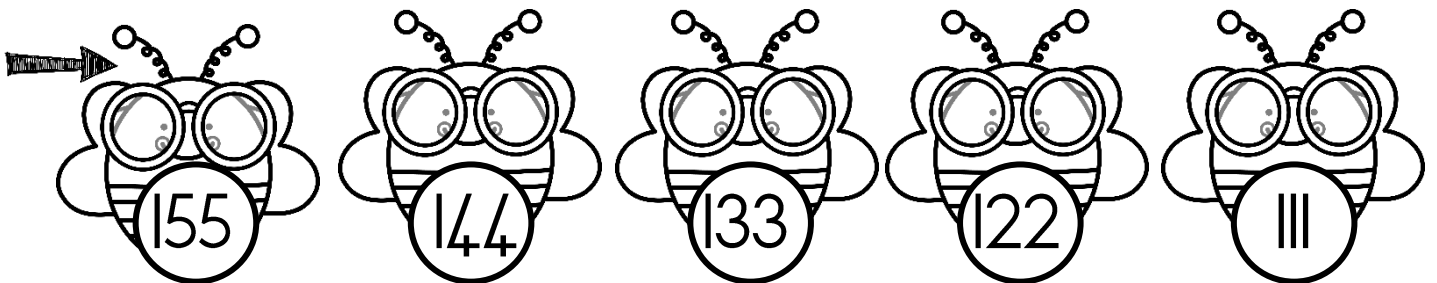
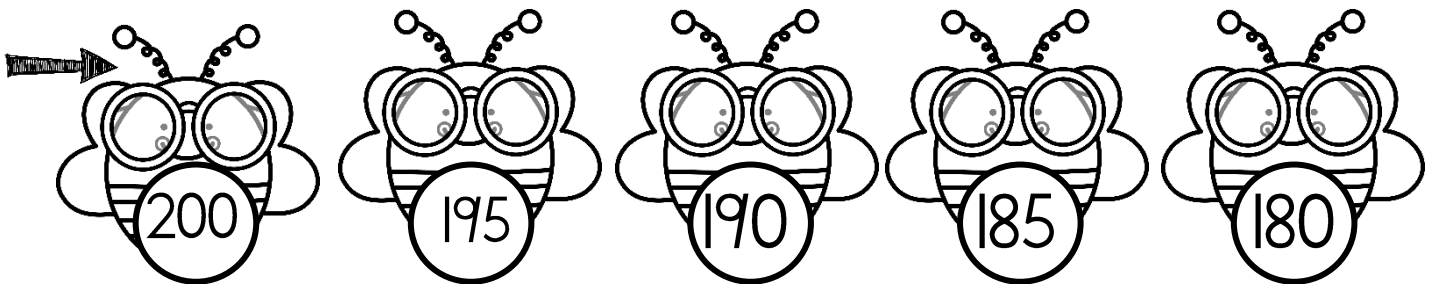
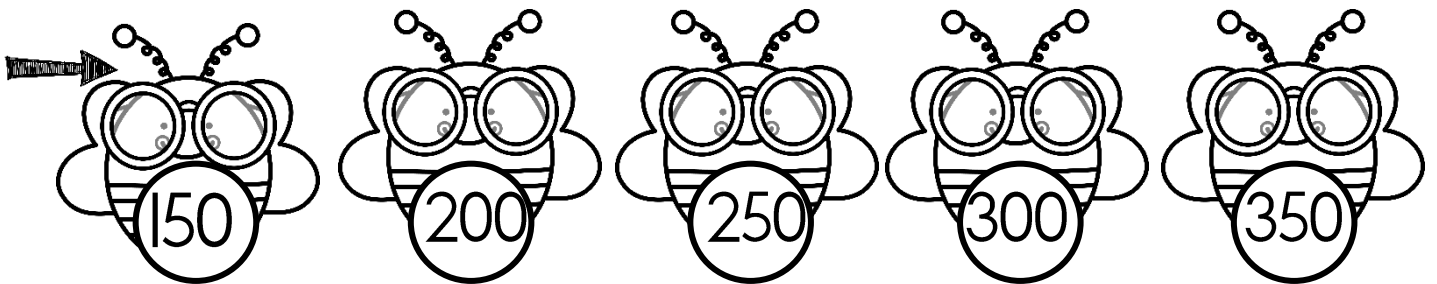
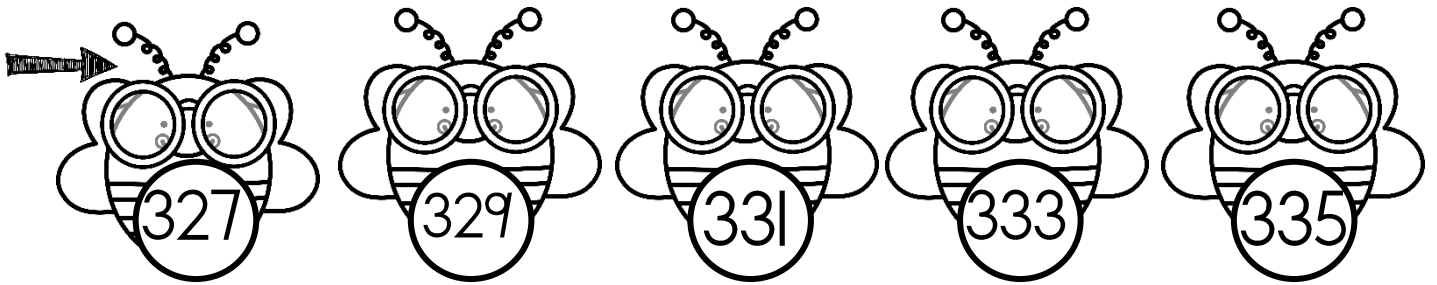
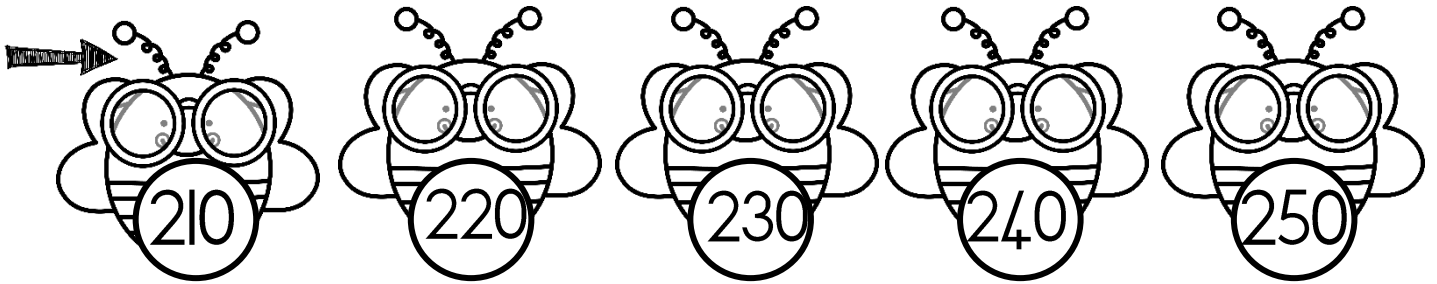
= 200

I.I.3. How many blocks altogether? Count in 100's.



= 1000

1.2 Complete - Count onwards and backwards. ($16 \div 2 = 8$)



1.3 Match the number name and number symbol. (4)

221

250

134

147

One hundred and thirty four

One hundred and forty seven

Two hundred and twenty one

Two hundred and fifty

1.4 Write the number name for every number symbol. (5)

254	Two hundred and fifty four
187	One hundred and eighty seven
465	Four hundred and sixty five
350	Three hundred and fifty
448	Four hundred and forty eight

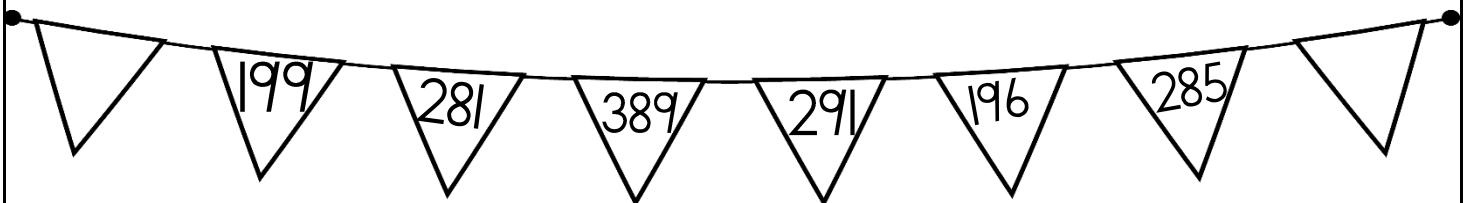
Numbers, Operations and relationships Activity 2

1. Complete the tables. ($18 \div 2 = 9$)

Before		Between			After	
445	446	219	220	221	449	450
333	334	345	346	347	219	220

What is 1 more than:		What is 1 less than:		What is 10 more than:		What is 10 less than:	
399	400	500	499	490	500	300	290
289	390	390	389	371	381	272	262
134	135	142	141	345	355	455	445

2. Look at the given numbers and answer the questions: (2)



- a. Rearrange the numbers from small to big. (1)
196, 199, 281, 291, 285, 389.
- b. Rearrange the numbers from big to small. (1)
389, 285, 291, 281, 199, 196.

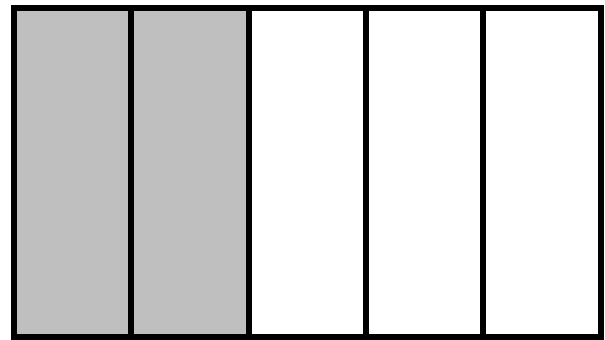
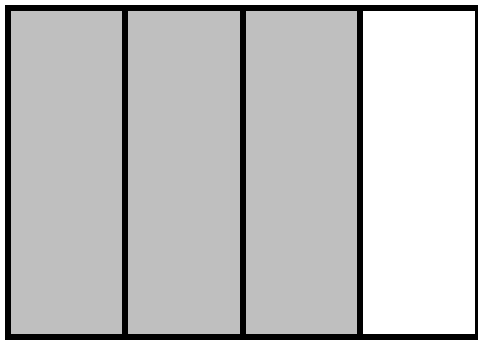
3. Break up in hundreds, tens and units.

$$(6 \div 3 = 2)$$

Number	Hundreds	Tens	Units
399	300	90	9
456	400	50	6

4. What fraction is coloured? Colour the correct answer

$$(2 \div 2 = 1)$$

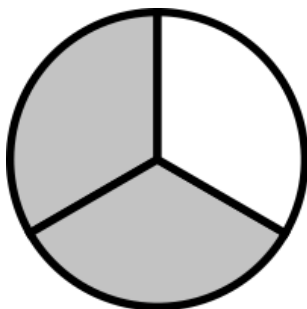


- 2 quarters
- 1 quarter
- 3 quarters

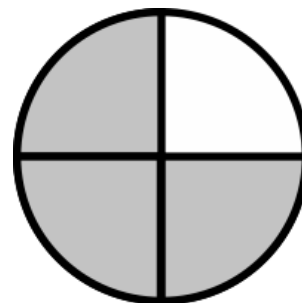
- 1 fifth
- 2 fifths
- 4 fifths

5. Write the name of the fraction that is coloured.

$$(2 \div 2 = 1)$$



2 thirds



3 quarters

6. Use the fraction wall to answer the questions.
 $(4 \div 2 = 2)$

1 whole					
$\frac{1}{2}$			$\frac{1}{2}$		
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
$\frac{1}{3}$		$\frac{1}{3}$		$\frac{1}{3}$	
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

- There are 2 halves in 1 whole
- There are 4 quarters in 1 whole
- There are 3 thirds in 1 whole
- There are 6 sixths in 1 whole

7. Mental Maths - Complete. $(6 \times \frac{1}{2} = 3)$

- $6 + 6 + 6 = 18$ ($\frac{1}{2}$)
- $187 + 0 = 187$ ($\frac{1}{2}$)
- 10 less than 660 = 650 ($\frac{1}{2}$)
- 3 more than 477 = 480 ($\frac{1}{2}$)
- 30 + 70 = 100 ($\frac{1}{2}$)
- $389 + 10 = 399$ ($\frac{1}{2}$)
- $234 + 5 = 239$ ($\frac{1}{2}$)

Total: Activity 2 = ____/20

Numbers, Operations
and relationships
Activity 3

1. Solve the following problem. Use the space to calculate your answer. Write a number sentence for the sum. (4)

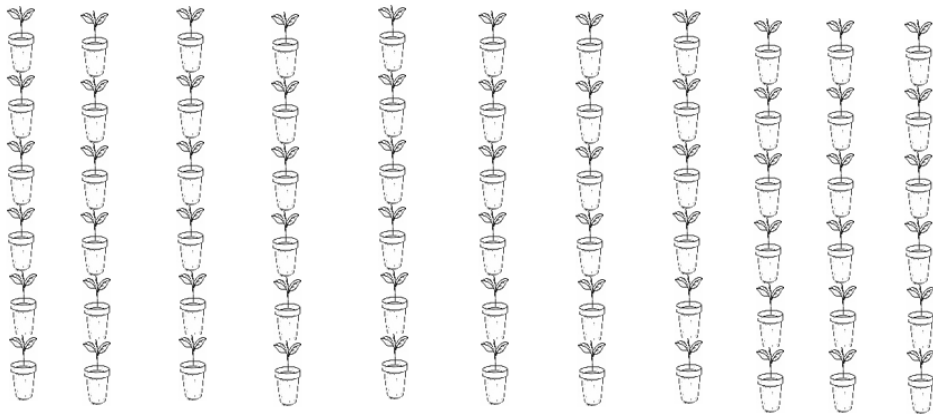
Jan reads 115 pages. Nandi reads 126 pages. How many more pages did Nandi read?

Any method can be used by the learner to calculate the sum.

Number sentence: $115 - 126 = 11$ pages

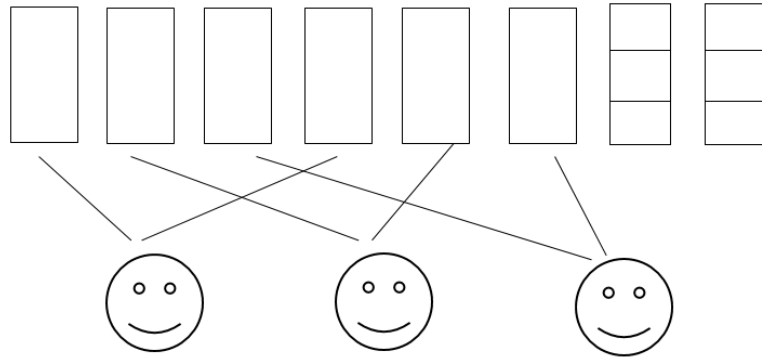
2. Solve the following problems. Draw a picture. Show your calculation and write a number sentence. (8)

2.1. A vegetable garden has 12 rows of plants. Every row has 6 plants. How many plants are in the garden? (4)



Number sentence: $12 \times 6 = 72$ plants or $12 + 12 + 12 + 12 + 12 + 12 = 72$

2.2. Share 8 chocolate bars between 3 friends so that each one gets the same number and that there is no left over. (4)



Answer: They each get 2 whole bars and two thirds.

3. Addition and subtraction

Do the following. Show all calculations

A. $324 + 82 =$ (4)

$$\begin{aligned} 324 + 82 &= (300 + 20 + 4) + (80 + 2) \\ &= 300 + (20 + 80) + (4 + 2) \\ &= (300 + 100) + 6 \\ &= 400 + 6 \\ &= 406 \end{aligned}$$

The learner can use any method learned in class to do the calculations.

B. $389 - 137 =$ (4)

$$\begin{aligned} 389 - 137 &= (300 + 80 + 9) - (100 + 30 + 7) \\ &= (300 - 100) + (80 - 30) + (9 - 7) \\ &= 200 + 50 + 2 \\ &= 252 \end{aligned}$$

The learner can use any method learned in class to do the calculations.

Total: Activity 3 = ___/20

Patterns, functions and algebra

Activity I

2.1. Geometric patterns

a. Complete the following patterns. ($24 \div 3 = 8$)

red	yello w	blue	red	yello w	blue	red	yello w	blue
yello w	blue	blue	yello w	blue	blue	yello w	blue	blue

2.1. Extend the following patterns only once. (2)

a. _____

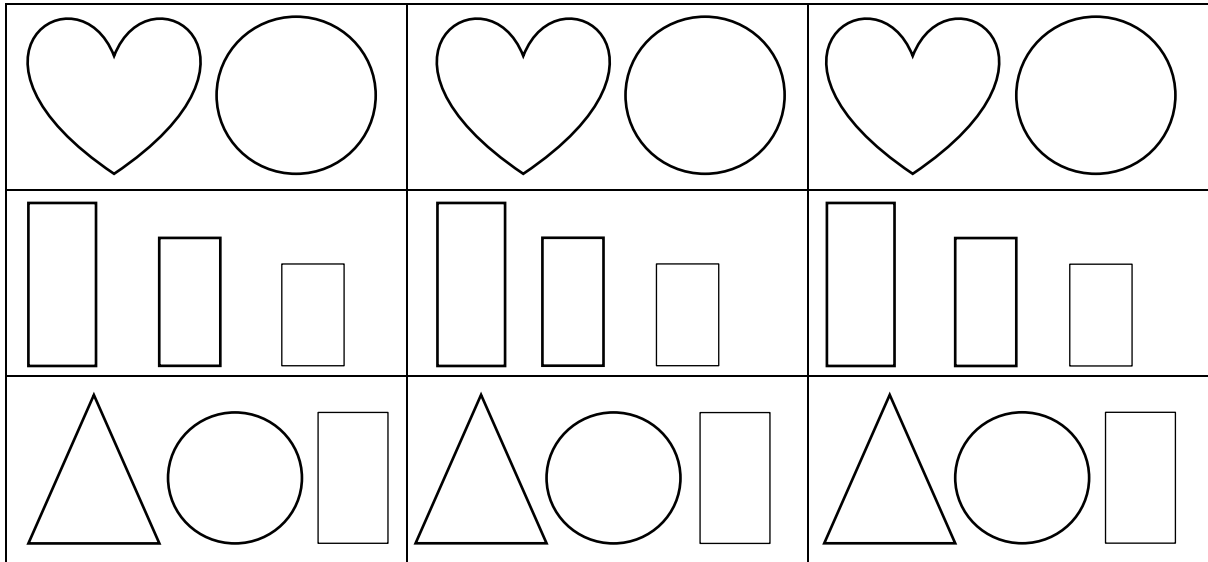
b. _____

Total: Activity I = ____/10

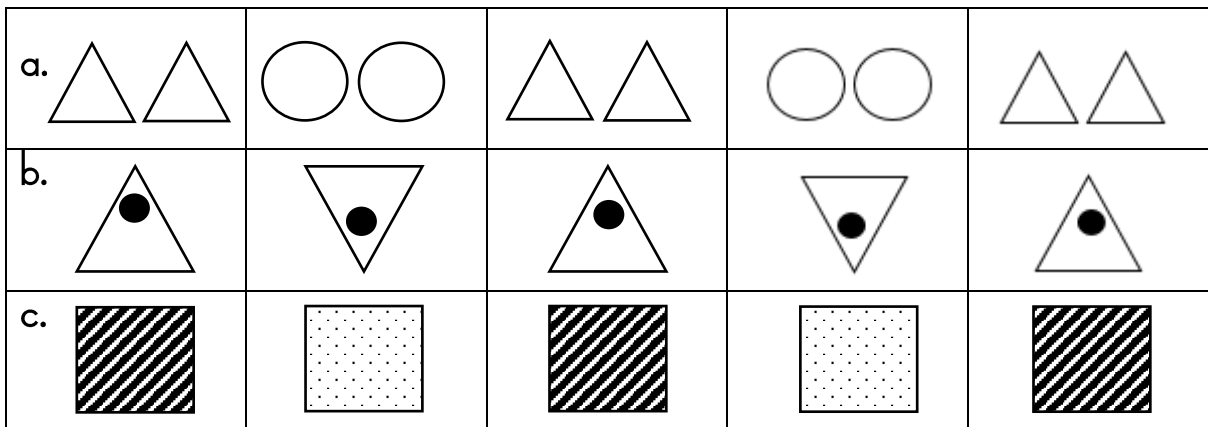
Patterns, functions and algebra

Activity 2

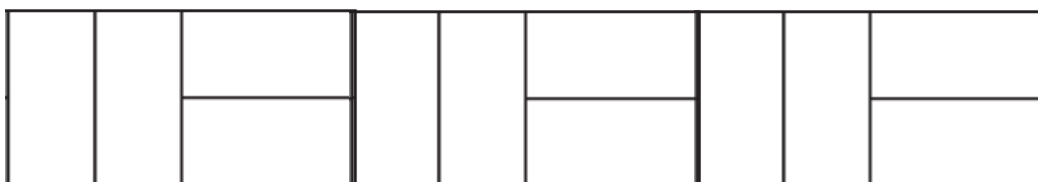
1. Extend the pattern twice. Colour and use different colours to make a pattern (6)



2. Complete the patterns in the table. ($6 \div 2 = 3$)



3. Look at the pattern on the floor tiles and extend twice to the right. (1)



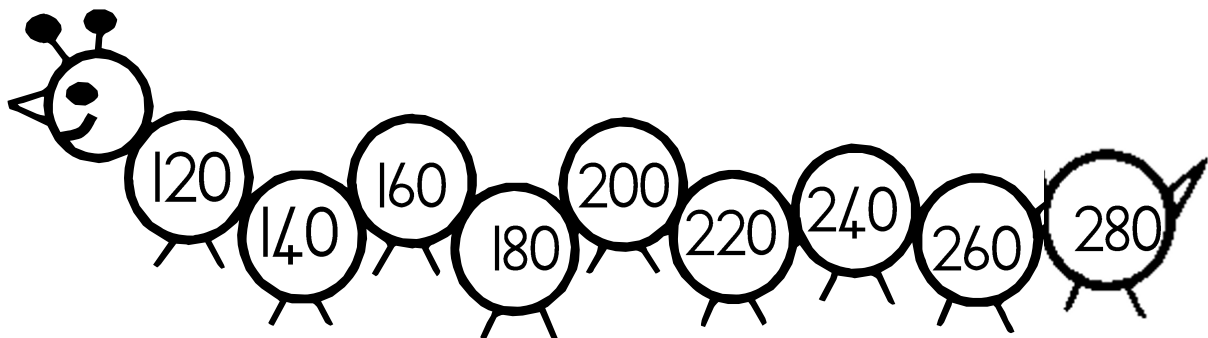
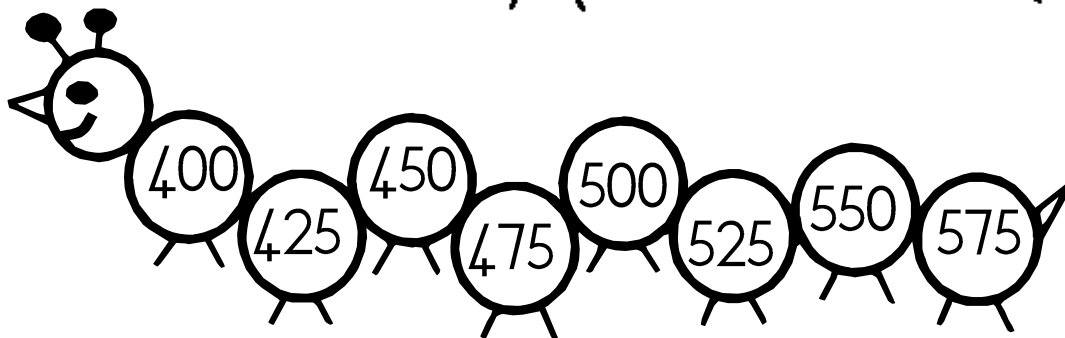
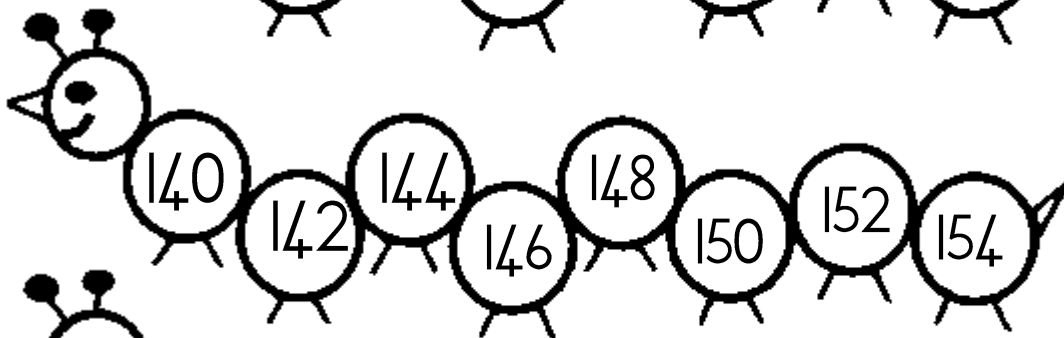
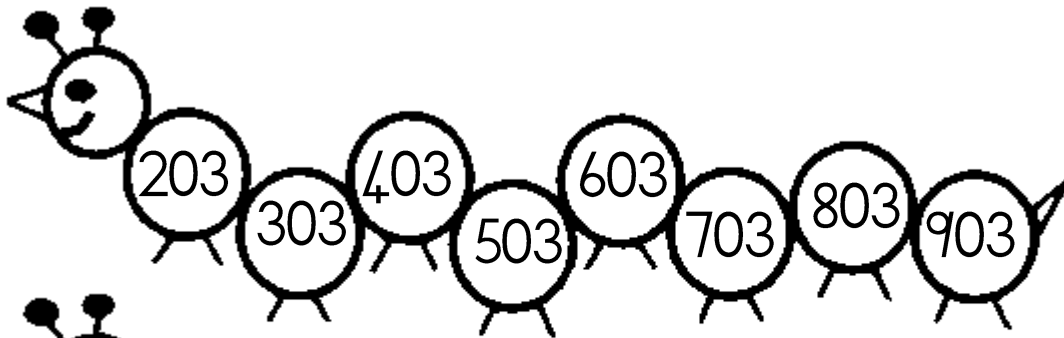
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Total: Activity 2 = ___/10

Patterns, functions and algebra

Activity 3


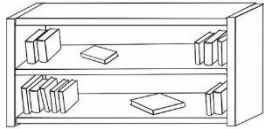




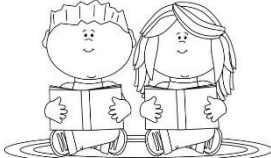
Number patterns - Complete the number pattern. ($30 \div 3 = 10$)



Space and shape

Activity 1

I. Position and direction.

	1	2	3	4	5
A			Bookshelf 		
B					
C		Table 1 		Table 2 	
D		Table 3 		Table 4 	
E					

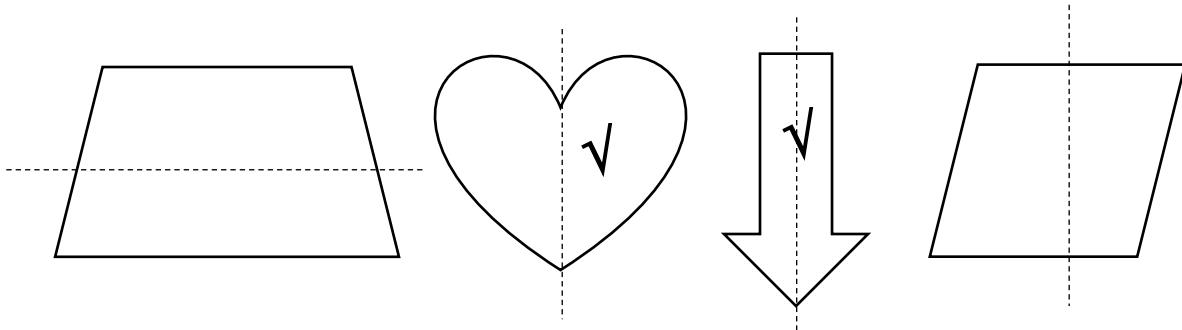
a. What are the positions of the tables? (4)

1. Table 1 - C2
2. Table 2 - C4
3. Table 3 - D2
4. Table 4 - D4

b. What is in A3 and A4? Bookshelf (1)

- c. Where is teacher's table situated? A1 (1)
- d. How many chairs are there? 8 (1)
- e. Draw a reading corner in E4 and E5. (2)

2. Make a \checkmark on all the shapes with a correct symmetry line.
(2÷2=1)

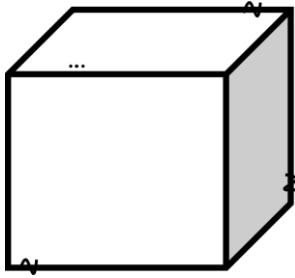


Total: Activity 1 = ___/10

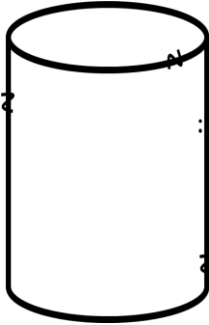
Marks out of 20 (10x2) = ___/20

Space and Shape Activity 2

1. Name the 3D objects. (2)



Name of object:
cube

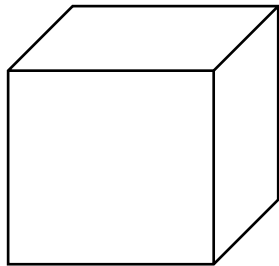


Name of object:
cylinder

2. Look at the objects. Colour the following: (4)

- Can the object slide or roll?
- Does the object have curved or straight sides?

a.



slide
roll

curved
straight

b.



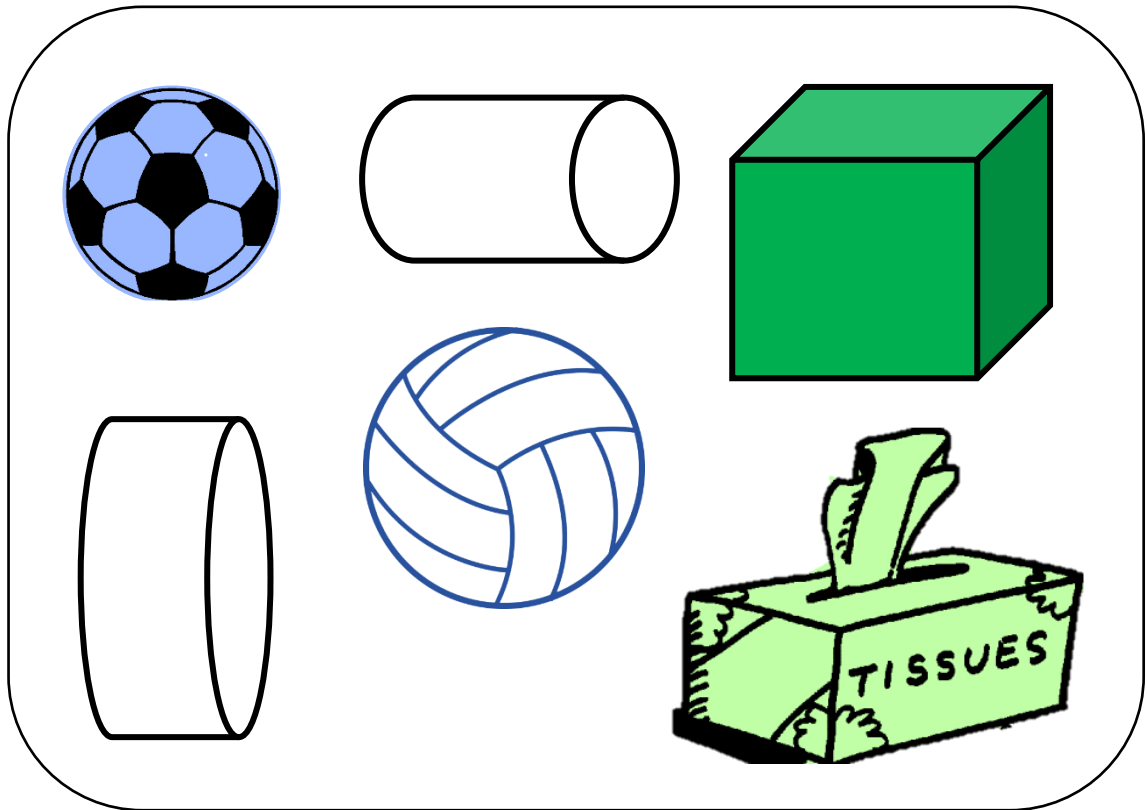
slide
roll

curved
straight

3. Look at the following objects in the block. (4)

• Colour all the spheres with blue. (2)

• Colour all the prisms with green. (2)



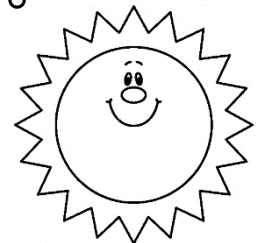
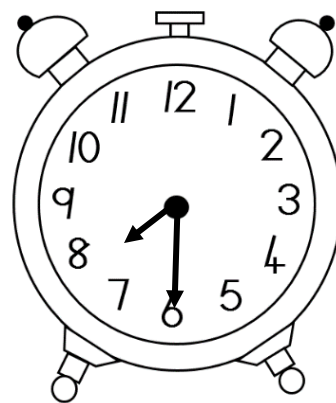
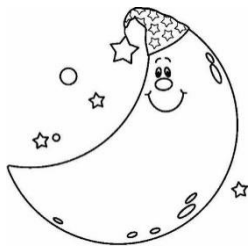
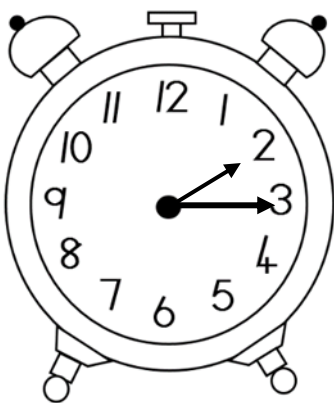
Total: Activity 2 = ___/10

Marks out of 20 (10x2) = ___/20

Measurement Activity 1

1. Answer the questions. (8)
- a. How many days in a week? 7
 - b. How many days in 2 weeks? 14
 - c. How many days in 3 weeks? 21
 - d. How many hours in 1 day? 24
 - e. How many hours in 2 days? 48
 - f. What is longer: 2 days or 45 hours? 2 days
 - g. How many months in 1 year? 12
 - h. How many months in 3 years? 36

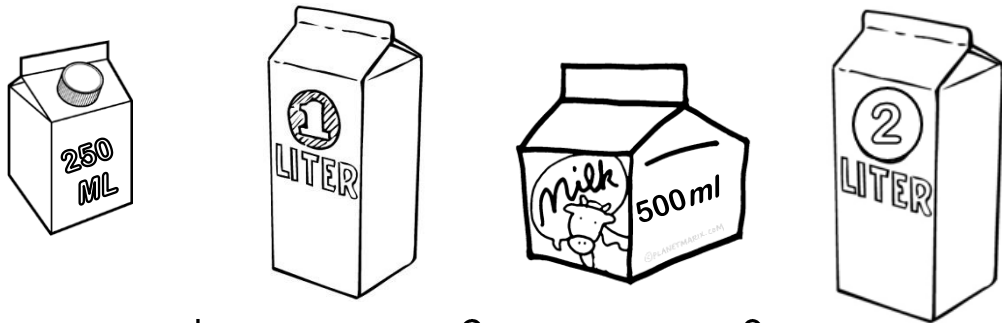
2. What is the time? Write the analogue as well as the digital time. (4)



Analogue: Quarter past two
Digital: 02:15

Analogue: Half past seven
Digital: 7:30

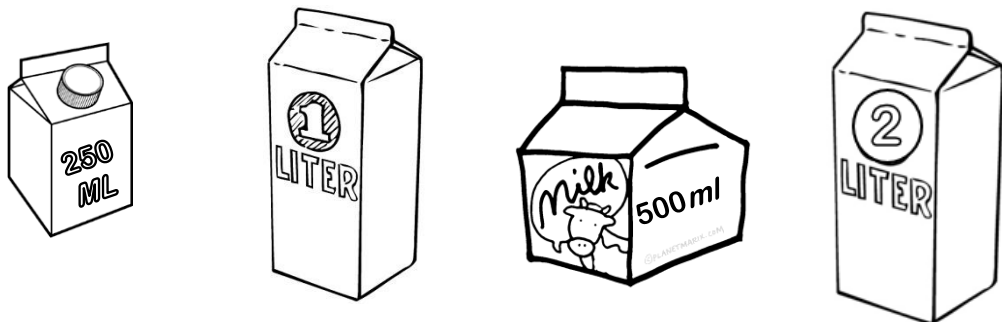
3. Order the containers from the container with the least capacity to the container with the most. (4)



container 1 container 2 container 3 container 4

- a. container 1
- b. container 3
- c. container 2
- d. container 4

4. Order the containers from the container with the most capacity to the container with the least. (4)



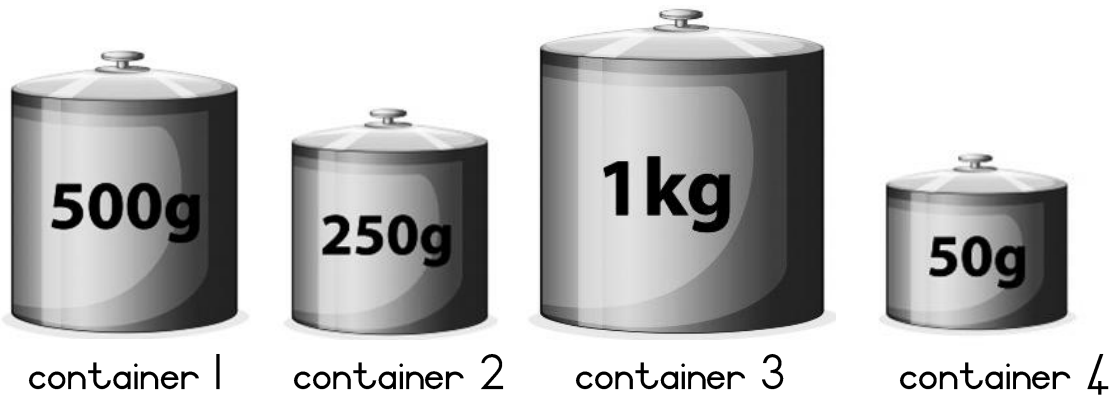
container 1 container 2 container 3 container 4

- a. container 4
- b. container 2
- c. container 3
- d. container 1

Total: Activity 1 = ___/20

Measurement Activity 2

1. Arrange the following containers' mass from the lightest to the heaviest. (4)



1. container 4
2. container 2
3. container 1
4. container 3

2. Arrange the weight from the items from the largest to the smallest in the table by writing down the item's weight and name. (4)



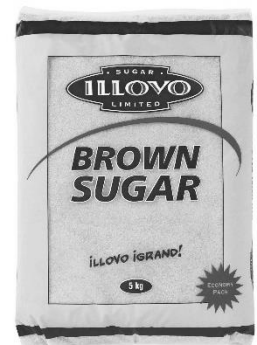
rice



flour



weights



sugar

Item	Weight
sugar	5kg
weights	3kg
rice	2kg
flour	1kg

5. Fill in >, < of = (4÷2=2)

a. 500gram 1 kilogram

b. 2 kilogram 1 kilogram

c. 5 kilogram 500 gram

d. 10 kilogram maize meal 10 kilogram samp






















Total: Activity 2 = ___/10

Marks out of 20 (10x2) = ___/20

Data Handling

The Grade 2 class held a cupcake sale. They sold cupcakes for the following days. Use the key to complete the graph:

Key :  = 2 cupcakes

Monday	    
Tuesday	 
Wednesday	  
Thursday	    
Friday	     

1. Draw the information above on the bargraph. (5)

12					
11					
10					
9					
8					
7					
6					
5					
4					
3					
2					
1					
	Monday	Tuesday	Wednesday	Thursday	Friday



2. Write a title for your graph. (1)
Learners own title. For example: Cupcake sale
3. What is the difference in sales between Tuesday and Thursday? (1)
Number sentence: $10 - 4 = 6$ cupcakes
4. If a cupcake costs R5, how much money was collected on Wednesday? (1)
 $R5 + R5 + R5 + R5 + R5 + R5 = R30$ / $R5 \times 6 = R30$
5. If a cupcake costs R5 how much money was collected on Friday? (1)
 $R5 + R5 + R5 + R5 + R5 + R5 + R5 + R5 + R5 + R5 + R5 + R5 + R5 = R60$ / $R5 \times 12 = R60$
6. How many cupcakes are sold for the whole week? (1)
Number sentence: $10 + 4 + 6 + 10 + 12 = 42$ cupcakes

Data Handling		Marks
1. 1 mark for each day that the correct amount of blocks were coloured.	5	
2. 1 mark for each correct answer.	5	
Total		___/10
Marks out of 5 = $(10 \div 2 = 5)$		___/5