

Mathematics  
Assessment Task Term 4  
Grade 3

Name and surname: \_\_\_\_\_

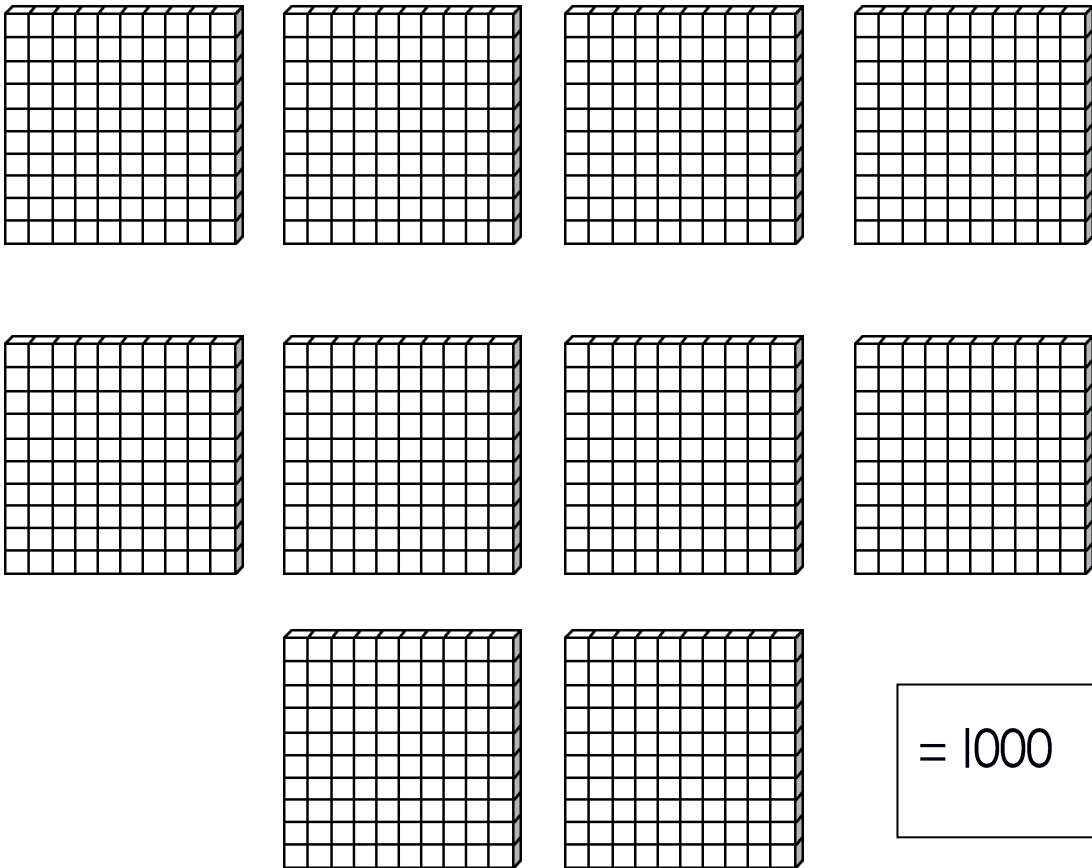
Date: \_\_\_\_\_

MEMORANDUM

Section		Mark obtained
1. Numbers, operations and relationships	65	
2. Patterns, functions and algebra.	10	
3. Space and Shape	11	
4. Measurement	9	
5. Data Handling	5	
	Total	100

## Section I: Numbers, operations and relationships

- I.I. There is 100 small blocks in each block. Count in groups to help you. Write the total amount of blocks in the box. (1)



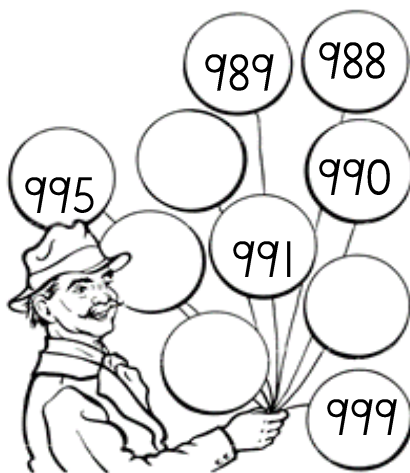
- I.2. Complete- Count forwards and backwards. (5)

- I.2.1. 900, 920, 940, 960, 980, 1000. (1)  
I.2.2. 1000, 998, 996, 994, 992, 990. (1)  
I.2.3. 970, 975, 980, 985, 990, 995, 1000. (1)  
I.2.4. 750, 800, 850, 900, 950, 1000. (1)  
I.2.5. 1000, 975, 950, 925, 900, 875, 850. (1)

1.3. Complete the table by filling in the number names and number Symbols. (5)

Number name	Number symbol
six hundred and eighty-five	685
eight hundred and sixty-two	862
four hundred	400
three hundred and twenty-two	322
five hundred and seven	507

1.4. Look at the following numbers and answer the questions. (2)



1.4.1. Arrange the numbers in the balloons from the smallest to the largest. (1)

988, 989, 990, 991, 995, 999.

1.4.2. Arrange the numbers in the balloons from the largest to the smallest. (1)

999, 995, 991, 990, 989, 988.

1.5. Fill in more than or less than between the following numbers.(2)

1.5.1 999 is more than 989 (1)

1.5.1. 818 is less than 881 (1)

1.6. Break the following numbers up in hundreds, tens and units. (4)

1.6.1.  $649 = 600 + 40 + 9$  (2)

1.6.2.  $880 = 800 + 80 + 0$  (2)

1.7. Solve the following problems. You have to show your calculations and write a number sentence. (8)

6

1.7.1. Ben would like to go to Gold Reef City with his friends. It costs R125 to enter. His father tells him to wash people's cars for R25. How many cars will Ben have to wash before he has enough money? (4)

Count in 25's till 125

$25 + 25 + 25 + 25 + 25 = 125$ . He has to wash 5 cars, because there is five 25's.

OR

$125 \div 5 =$

$= (100 + 25) \div 25$

$= (100 \div 25) + (25 \div 25)$

$= 4 + 1$

$= 5$  Ben must wash 5 cars.

Number sentence:  $25 + 25 + 25 + 25 + 25 = 125$

OR

$125 \div 5 = 5$  cars

- 2 marks for number sentence.
- 2 marks for correct calculation.

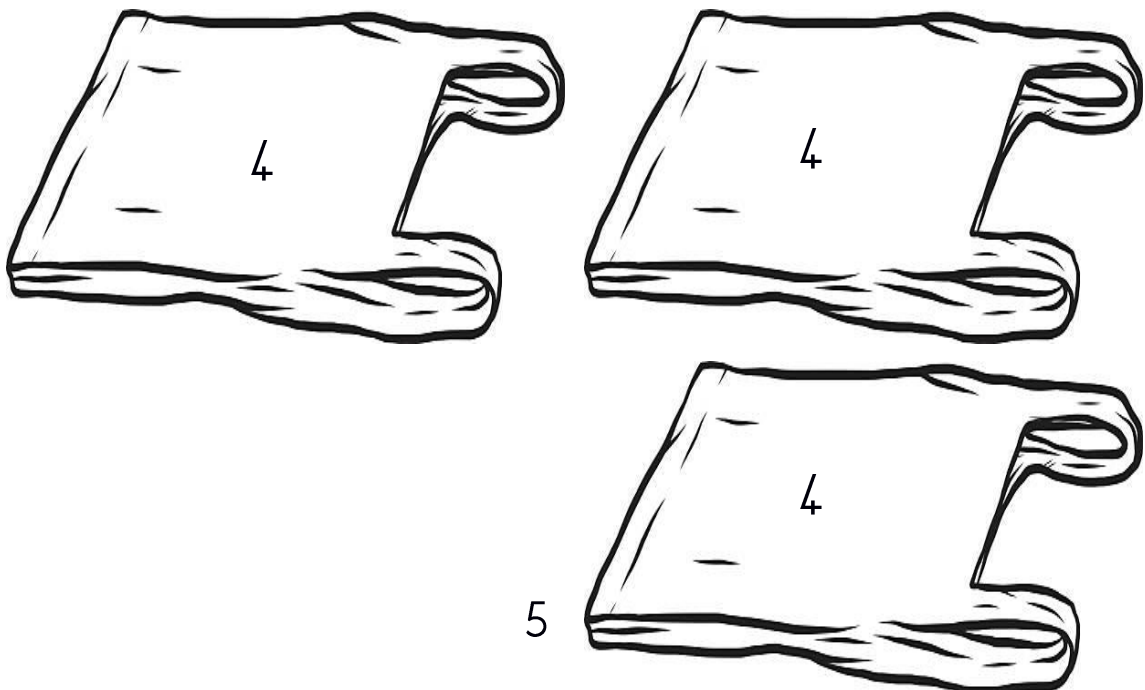
1.7.2. There are 598 passengers on a train. 17 passengers  
Climbs off the train. How many passengers are left on  
the train? (4)

$$\begin{aligned}598 - 17 &= \\&= (500 + 90 + 9) - (10 + 7) \\&= (500 - 0) + (90 - 10) + (9 - 8) \\&= 500 + 80 + 1 \\&= 581 \text{ passengers left on train}\end{aligned}$$

- 2 marks for number sentence.
- 2 marks for correct calculation.

Number sentence:  $598 - 17 = 581$  passengers left on train.

1.8. A man is selling pancakes. A lady asked if her 12 pancakes can  
be divided equally into 3 bags. Help the man to divide the  
pancakes equally into 3 bags below and then answer the  
questions. (5)



1.8.1. How many groups do you count? 3 (1)

1.8.2. How many pancakes are in each group? 4 (1)

1.8.3. How many pancakes are there altogether? 12 (1)

1.8.4. Write a number sentence:  $3 + 3 + 3 = 12$  (1)

1.9. Mental maths - Complete. (10)

a.  $25 + 25 + 25 = 75$

f.  $200 + 200 = 400$

b. 25 more than 250 = 275

g.  $900 + 4 = 904$

c. 5 more than 85 = 90

h.  $800 - 5 = 795$

d. 1 less than 81 = 80

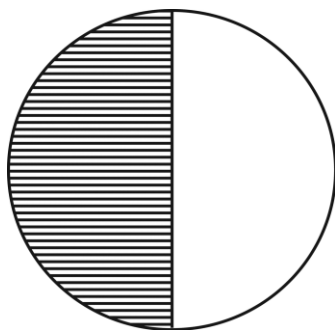
i.  $880 + 100 = 980$

e. 1 more than 79 = 80

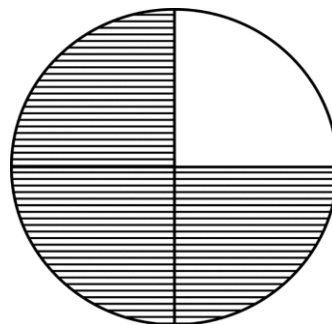
j.  $6 + 6 + 6 = 18$

1.10. Choose which fraction is shaded. Color the correct answer.

(2)

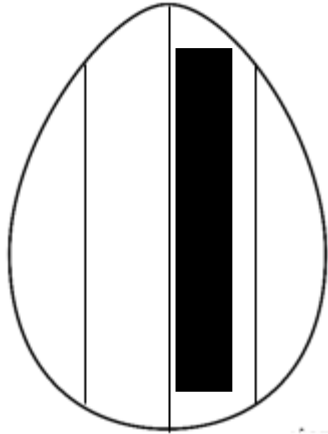


- |           |
|-----------|
| 1 third   |
| 1 quarter |
| half      |

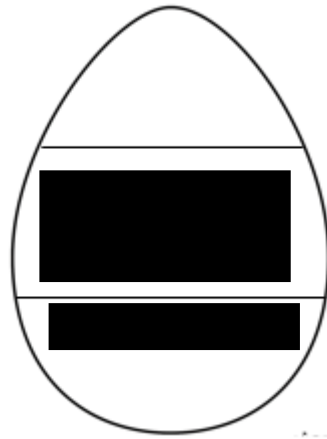


- |               |
|---------------|
| half          |
| quarter       |
| three quarter |

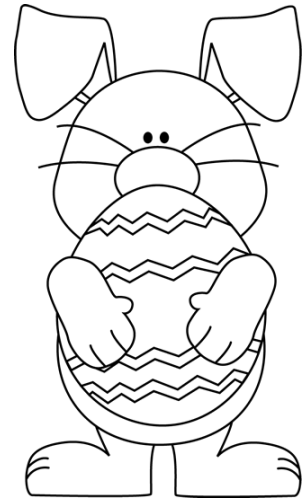
1.1. Help the Easter Bunny to color the Easter eggs in the following ways. (2)



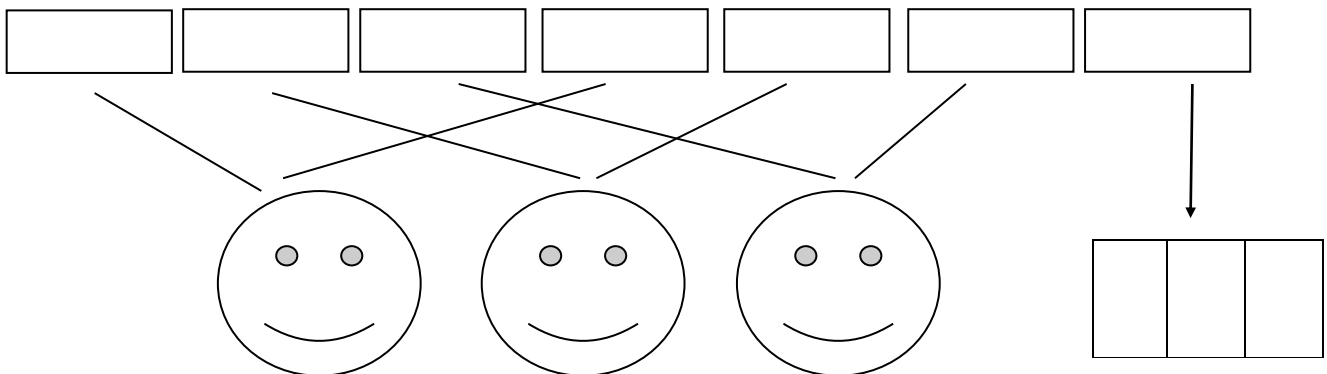
1 quarter



two thirds



1.2. Divide the 7 chocolate bars between 3 friends so that everyone gets the same amount of chocolate. Draw a picture to show your answer. (2)


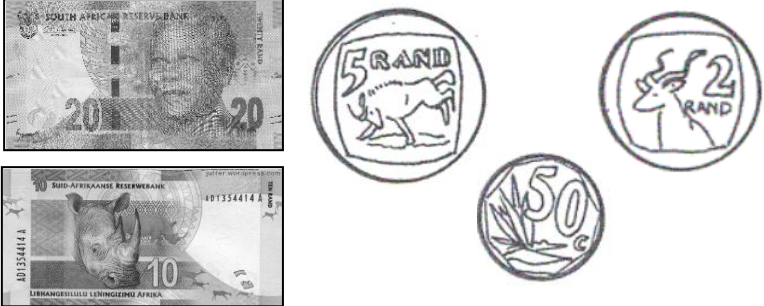
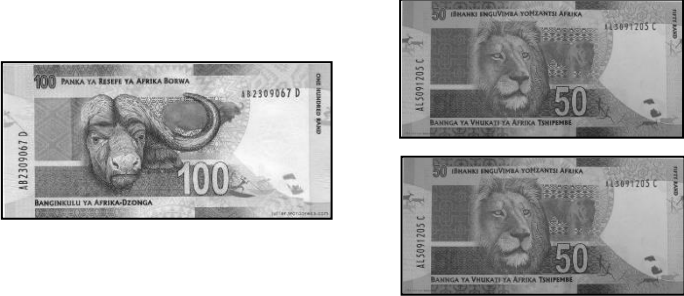
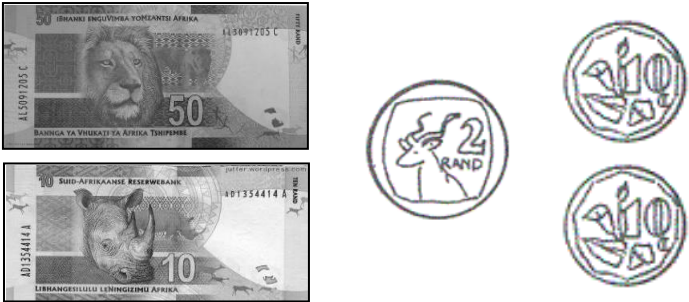
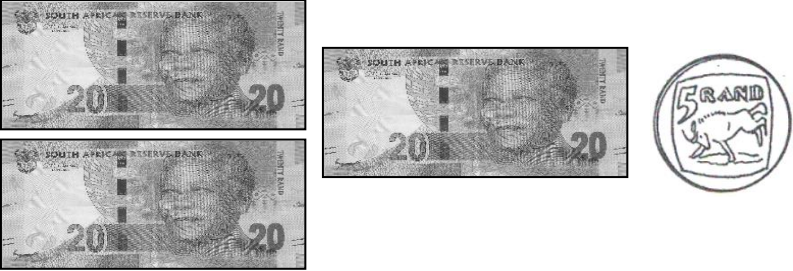


Each friend gets 3 chocolate bars and the last bar is divided in 3.

Thus each friend gets 3 and a  $\frac{1}{3}$ .

I mark for drawing and I mark for answer.

1.13. Add up the money in every row and write the total in the box. (5)

	<div style="border: 2px solid black; border-radius: 15px; padding: 20px; text-align: center;"> <p>= R230</p> </div>
	<div style="border: 2px solid black; border-radius: 15px; padding: 20px; text-align: center;"> <p>= R37,50</p> </div>
	<div style="border: 2px solid black; border-radius: 15px; padding: 20px; text-align: center;"> <p>= R200</p> </div>
	<div style="border: 2px solid black; border-radius: 15px; padding: 20px; text-align: center;"> <p>= R62,20</p> </div>
	<div style="border: 2px solid black; border-radius: 15px; padding: 20px; text-align: center;"> <p>= R65</p> </div>



1.14. Addition and subtraction (10)

Do the following sums. Show all calculations.

A.  $525 + 72 = \square$  (5)

$$= (500 + 0)v + (20 + 70)v + (5 + 2)v$$

$$= 500 + 90 + 7v$$

$$= 597v$$

B.  $889 - 137 = \square$  (5)

$$= (800 - 100)v + (80 - 30)v + (9 - 7)v$$

$$= 700 + 40 + 2v$$

$$= 742v$$

C.  $39 \div 3 = \square$  ( $4 \times \frac{1}{2} = 2$ )

$$= (30 + 9) \div 3$$

$$= (30 \div 3) + (9 \div 3)$$

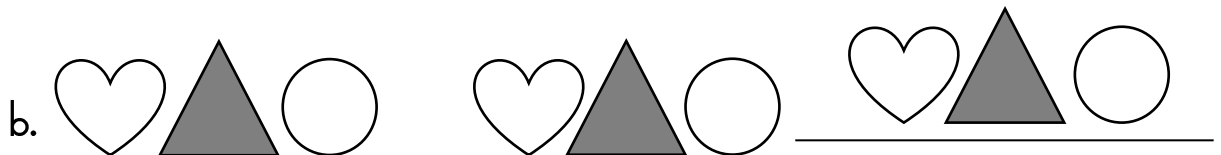
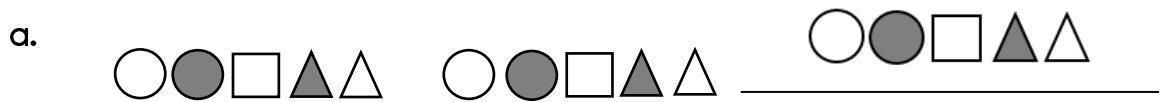
$$= 10 + 3$$

$$= 13$$

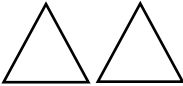
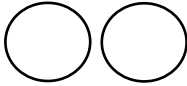
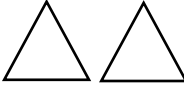
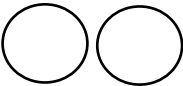
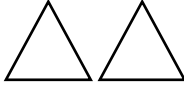

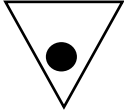




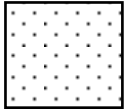

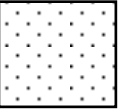
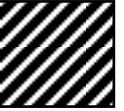
Total Section I: \_\_\_ / 65

## Section 2: Patterns, functions and algebra

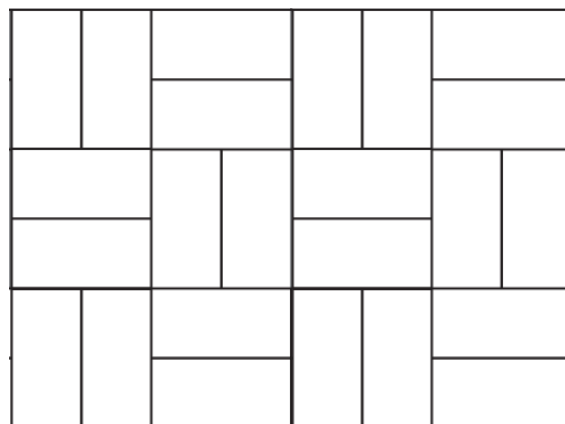
2.1. Expand the following patterns only once. (2)



2.2. Complete the patterns in the table. (6)

1.					
2.					
3.					

2.3. Look at the pattern of the floor tiles and extend it two times to the right. (1)



2.4. Describe in words what you see in the following patterns. (2)

a. 550, 600, 650, 700.

Rule: Count forwards in 5's. (1)

b. 275, 250, 225, 200.

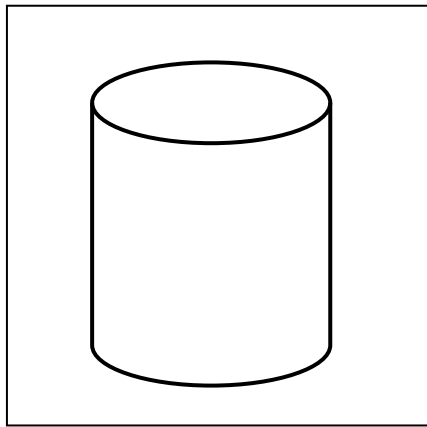
Rule: Count backwards in 25's. (1)

Total Section 2: \_\_\_\_/10

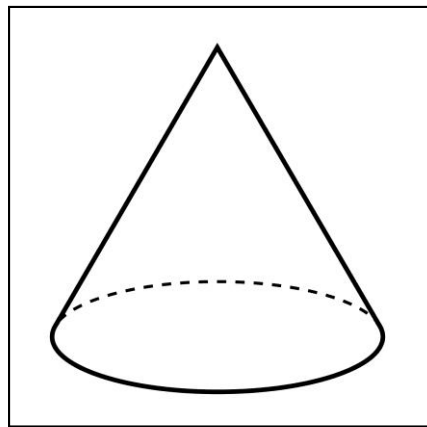
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### Section 3: Space and Shape

3.1. Write down the names of the following shapes in the blocks. (2)



cylinder

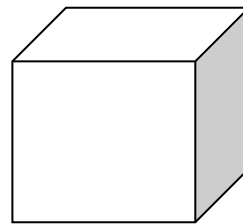


cone

3.2. Does the following shapes have curved or flat sides? Color the right answer. (2)

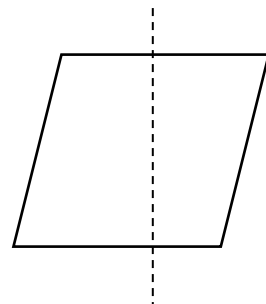
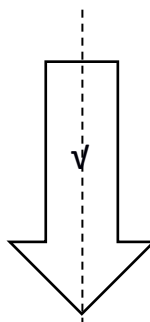
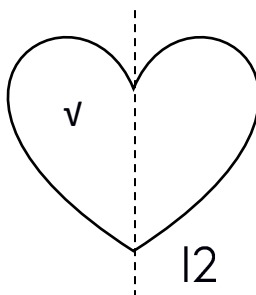
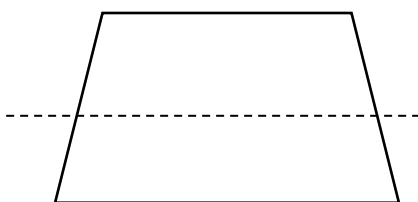


curved  
flat



curved  
flat

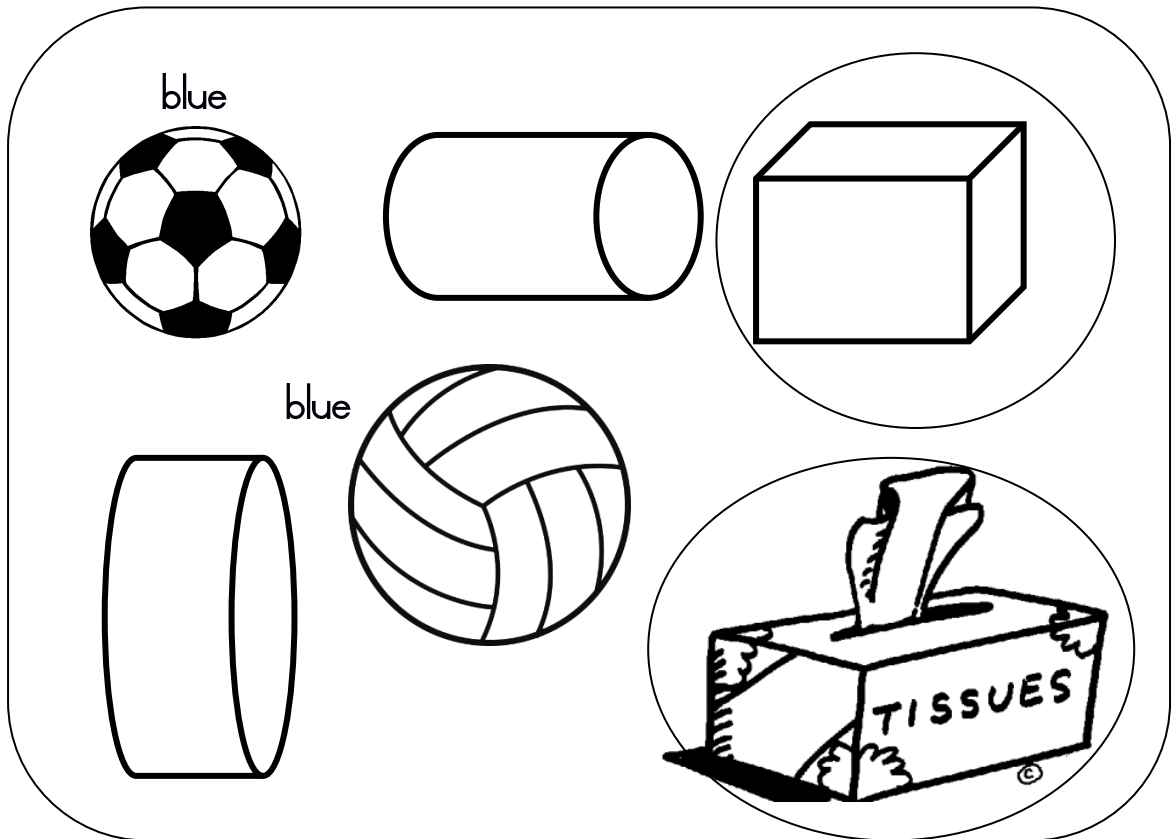
3.3 Make a v on all the shape with the correct symmetry lines. (2)



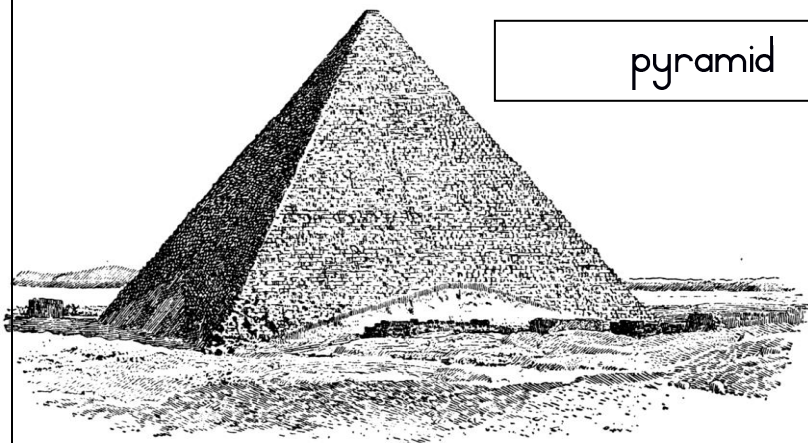
3.4. Look at the following pictures in the box.

(4)

- Color all sphere pictures with blue. (2)
- Circle all the objects that are prisms. (2)



3.4. What do we call the shape in the picture? Write your answer below. (1)

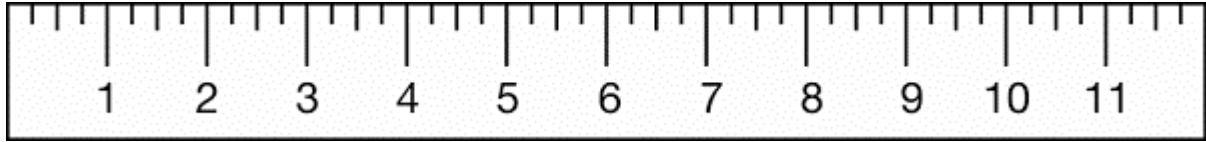


pyramid

Total Section 3: \_\_\_\_ / 11

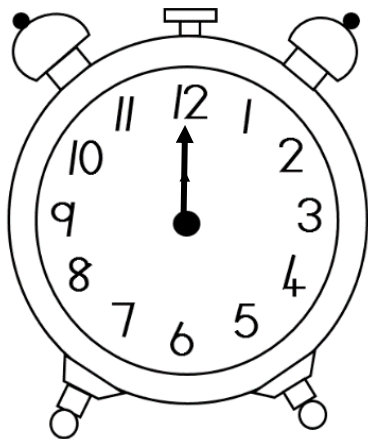
## Section 4: Measurement

4.1. Measure how long the pencil is and write down the length. (1)

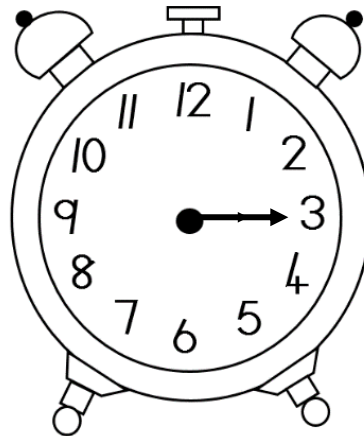


= 8cm

4.2. Look at the times and draw the hands of the watches. (2)

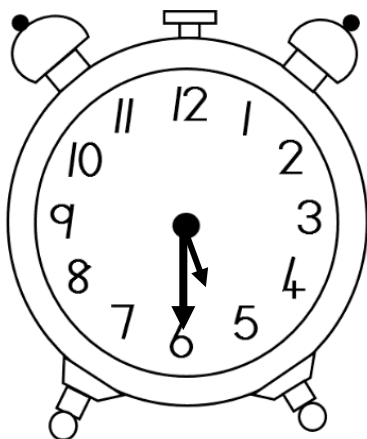


twelve o'clock



quarter past  
three

4.3. Write the time of the clock. (1)



half past five

4.4. Arrange the items weight from the smallest to the largest in the table by writing down the item's weight and name.

$$(4 \times \frac{1}{2} = 2)$$



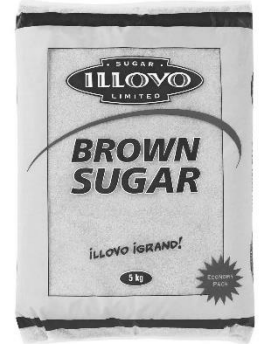
rice



flour



weights



sugar

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

4.5. Circle the mass which is the biggest. (1)

750g   3kg   3,5kg   900g   2,5kg

4.6. Circle the mass which is the smallest. (1)

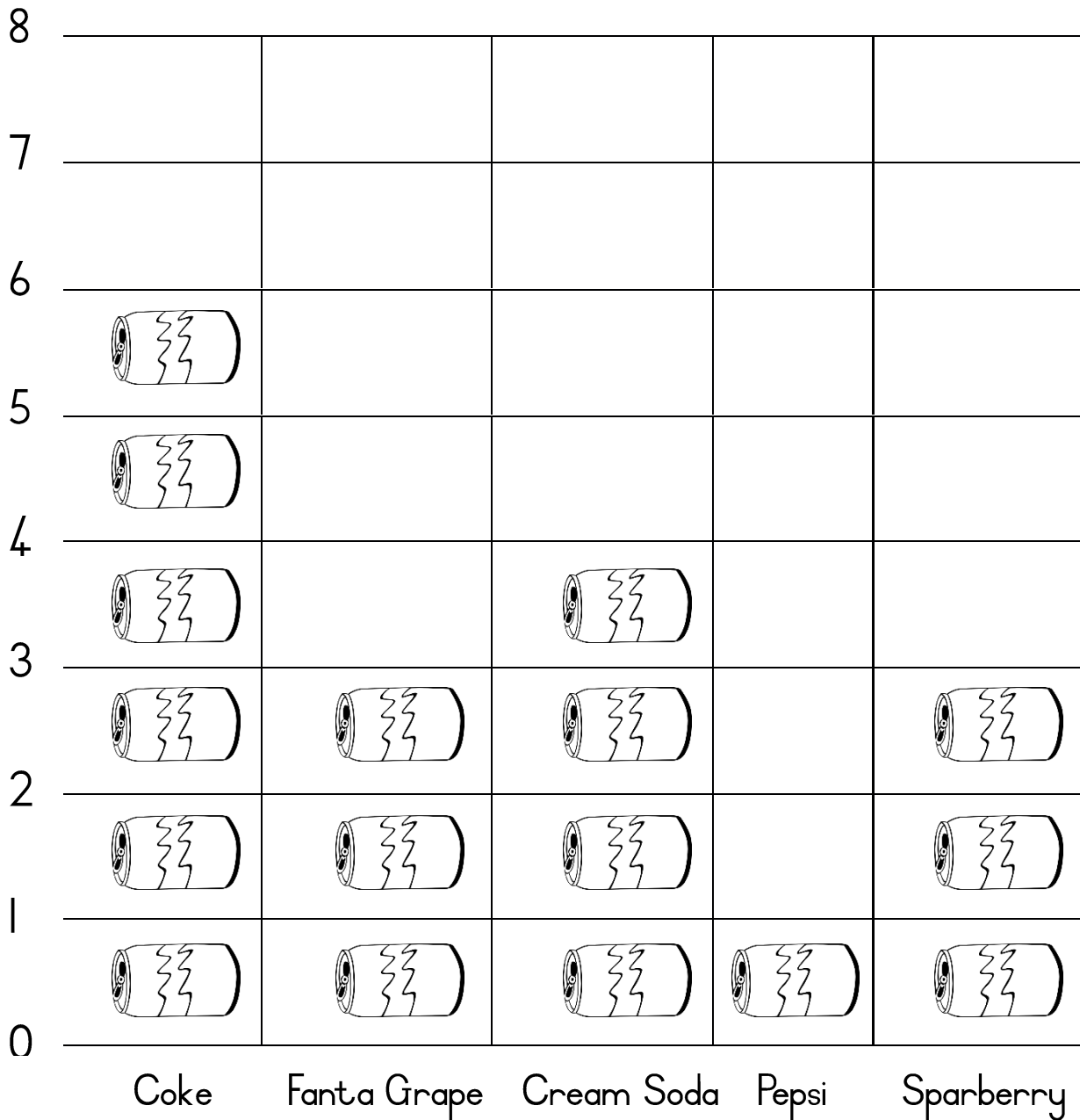
750g   3kg   3,5kg   900g   2,5kg

4.7. In what unit is volume measured? Circle right answer. (2)

kilogram   milliliter   kilometers   liter

Total Section 4: \_\_\_\_ / 9

## Section 5: Data Handling



Answer the questions:

- Which cool drink does the children like the most?  
Coke (1)
- Which cool drink does the children like the least?  
Pepsi (1)
- Which cool drink does the children like equally?  
Fanta grape and Sparberry (2)
- There is 3 more children who like Coke than Fanta Grape. (1)
- Write a title for the pictograph. Learners own heading (1)

Total Section 5 = \_\_\_ / 5