Mathematics Assessment | Grade 3

Name: _____ | Term 4

Section A: Numbers, Operations and Relationships

1. Arrange 172, 217, 127, 712 from the smallest to the greatest. Circle the letter with the correct answer. (1)

   A 217, 127, 721, 172

   B 721, 217, 172, 127

   C 172, 127, 721, 217

   D 127, 172, 217, 712

2. Break down the number 489. Circle the best answer. (1)

   A 80 + 900 +4

   B 400 + 80 + 9

   C 90 + 40 + 80

   D 800 + 90 + 40

3. 39 doubled = ____. Circle the correct answer. (1)

   A 69

   B 79

   C 78

   D 96

4. Double and halve the following numbers. (2)

   a. double 55 = _____

b. Halve 350 = _____

5. Break down the following number: (1)

361 = _____

6. Write down the number consisting of (1)

4 units, 2 hundreds and 8 tens _____

7. The number 378 rounded off to the nearest 10 is _____ (1)

8. Complete the table: (2)

Count forwards in 100s	584				
Count backwards in 20s	320				240

9. Write the number name for 468. (1)

_____

10. Write the number symbol for three hundred and sixty. (1)

_____

11. Write the value of the underlined digit in the number 7̲54. (1)

_____

12. There is a number between 267 and 269.

Write its number symbol and number name. (2)

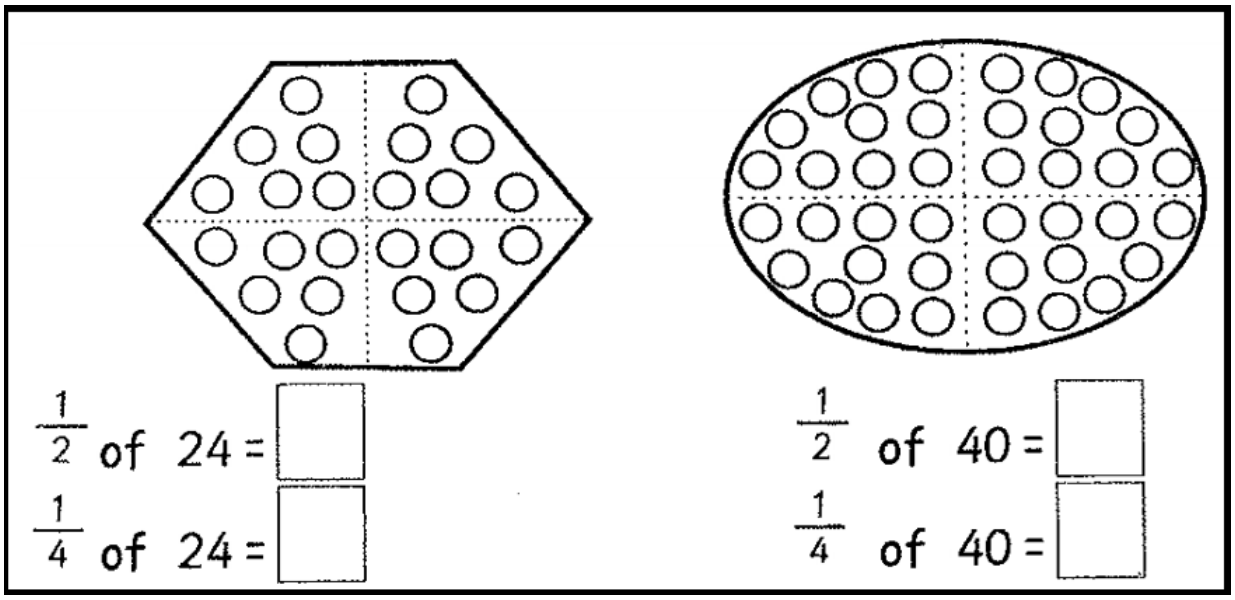
a. Number symbol: _____

b. Number name: _____

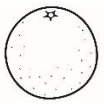
13. Arrange the given numbers from the smallest to the greatest. (1)

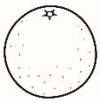
98	39	67	157	129

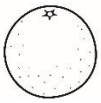
14. Solve the following fractions: (4)



15. Solve the following. (3)

a. 2 people share an orange.  They each get _____

b. 4 people share an orange.  They each get _____

c. 8 people share an orange.  They each get _____

16. Arrange the following in order from the smallest to the biggest. (1)

1 whole ; $\frac{1}{8}$; $\frac{1}{2}$; $\frac{1}{4}$ _____

17. Solve the following.

a. Jared has 56 mice. Half are white and the rest are brown.

How many brown mice does he have? _____ (2)

b. A whole cheese costs R48. How much will a quarter of the cheese cost? _____ (2)

c. A turtle lays 100 eggs in the sand. Only a quarter make it safely to the sea. How many baby turtles is this? (2)

18. Work out the following (12)

a. 213 x 4

b. 467 x 2

c. 306 x 3

d. $241 + 369$

e. $383 + 138$

f. $507 + 172$

g. $900 - 127$

h. $665 - 254$

i. $509 - 126$

j. $6\overline{)870}$

k. $3\overline{)834}$

l. $3\overline{)696}$

19. Azwindini collected 167 glass bottles from a recycling project. 89 of them broke. How many bottles did not break? (2)

20. Mother has 4 pots with 16 flowers in each pot.

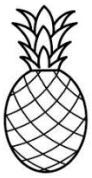
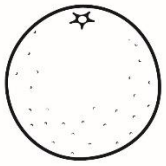
How many flowers does Mother have altogether? (2)

21. Nomsa invited 3 friends to spend the afternoon with her.

Her father gave her 66 sweets to share equally amongst them.

How many sweets did each friend get? (2)

22. Read the price list below and answer the questions that follow.

Price List		
Bunch of grapes	R5,50	
Pineapple	R10,00	
Apple	R5,50	
Orange	R6,00	

a. How much will 2 pineapples cost? (2)

R _____

b. How much change must I get if I buy one orange and pay with R10,00? (2)

R _____

c. Which one is the most expensive fruit? (1)

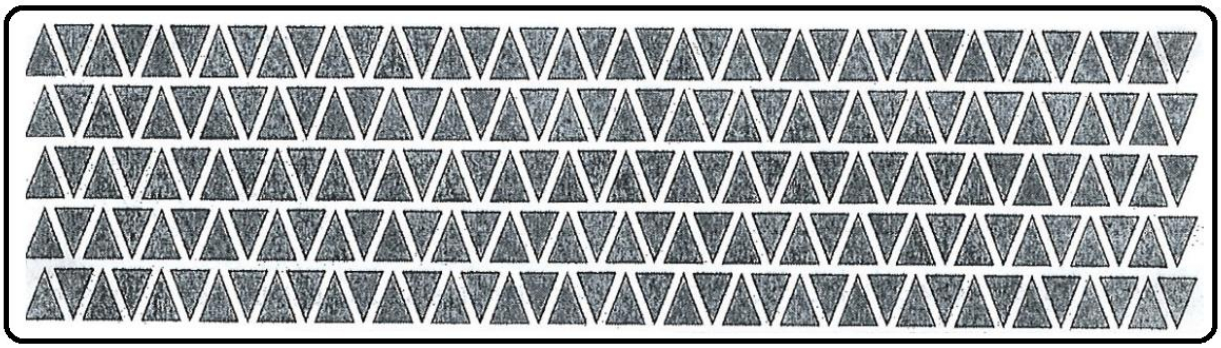
_____

d. Which one is the cheapest fruit? (1)

_____

e. What is the difference between the most expensive and the cheapest fruit? (2)

23. How many triangles in the picture below. (2)

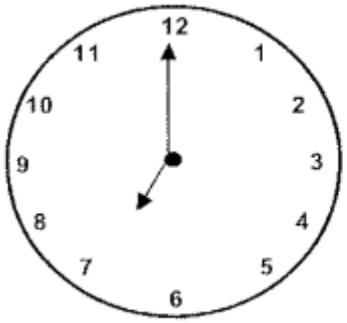


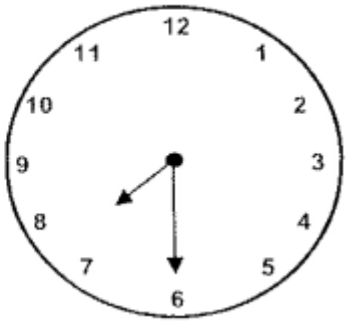
_____ triangles

_____ / 58 Marks (Section A)

Section B: Measurement

24. Liza walks to school. She leaves at 7:00. She gets to school at 7:30.





It took Liza _____ minutes to walk to school. (1)

25. Puleng takes 45 minutes to get to school.

Suzan takes twice as long.

How many hours does Suzan take to get to school. (1)

_____

26. One parcel weighs 3kg.

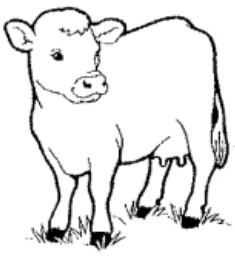
How much will the following parcels weigh? (2)

a. 2 parcels = _____ kg.

b. 3 parcels = _____ kg.

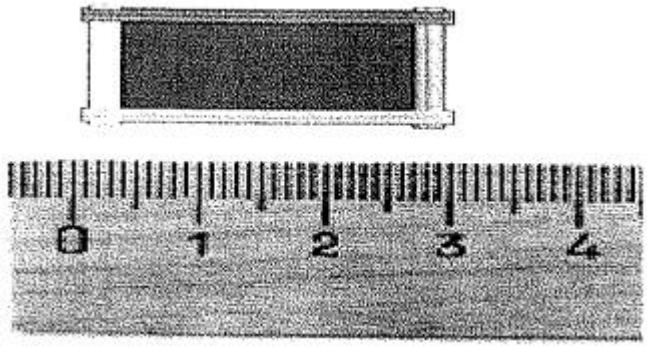
27. Circle the correct word in brackets. (2)

a. The mass of the cow is measured in (kilograms , centimetres)



b. The capacity of the cup of coffee is measured in (metres, millilitres)

28. What is the length of the picture below? (1)



_____ cm

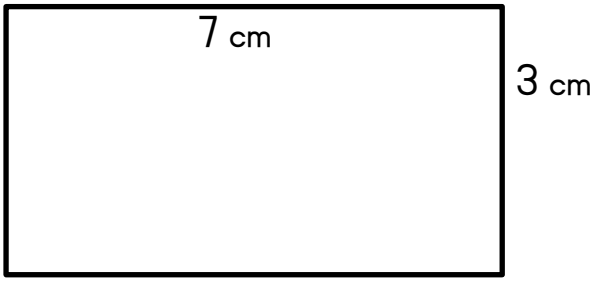
29. Circle the correct word in brackets. (3)

a. I am 7 (gram, centimetres, litres) taller than my friend.

b. I weigh more than 15 (kilograms, metres, millilitres).

c. Father fills his car with 50 (millimetres, grams, litres) of petrol.

30. The area of the following rectangle is: (1)



Circle the best answer.

A 10cm B 21cm C 21 cm^2 D 10cm^2

31. Study the June 2016 calendar and complete the questions that follow. (3)

June 2016

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

a. June 2016 has _____ days.

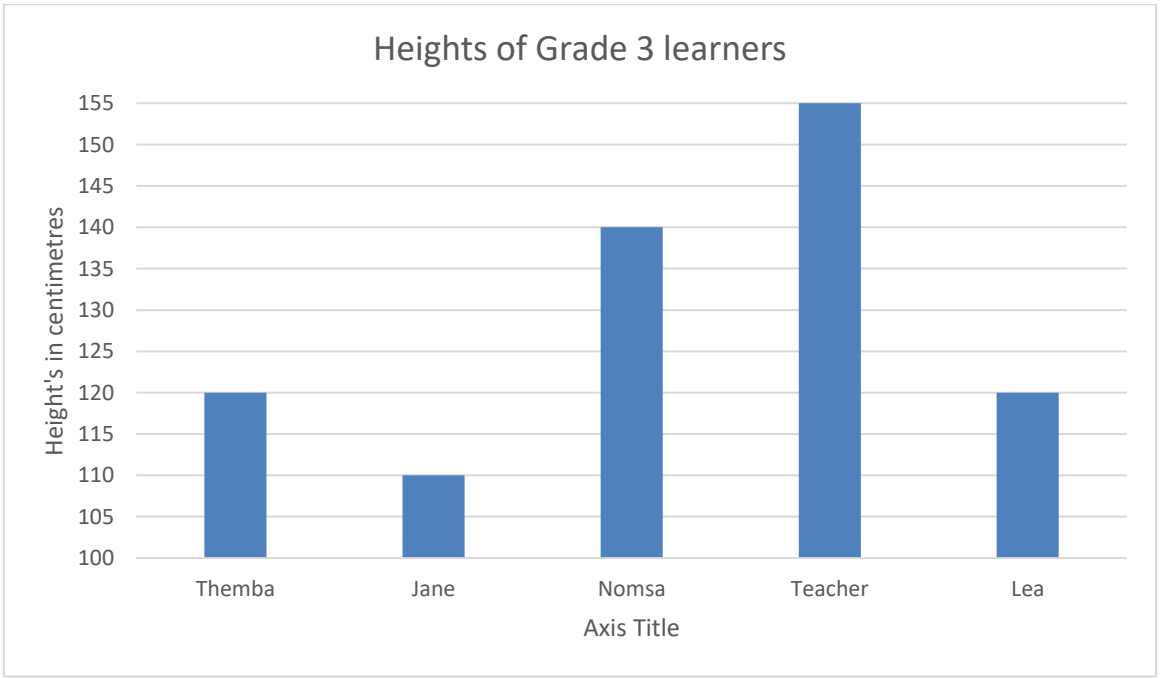
b. How many full weeks are in June 2016? _____ weeks.

c. June 2016 ends on which day? _____

____ / 14 Marks (Section B)

Section C: Data Handling

32. Study the graph and answer the questions that follow.



a. What is the shortest in the class? (1)

_____

b. What is the difference between the Teacher's height and Nomsa's height? (1)

_____

c. Which learners have the same height? (1)

_____

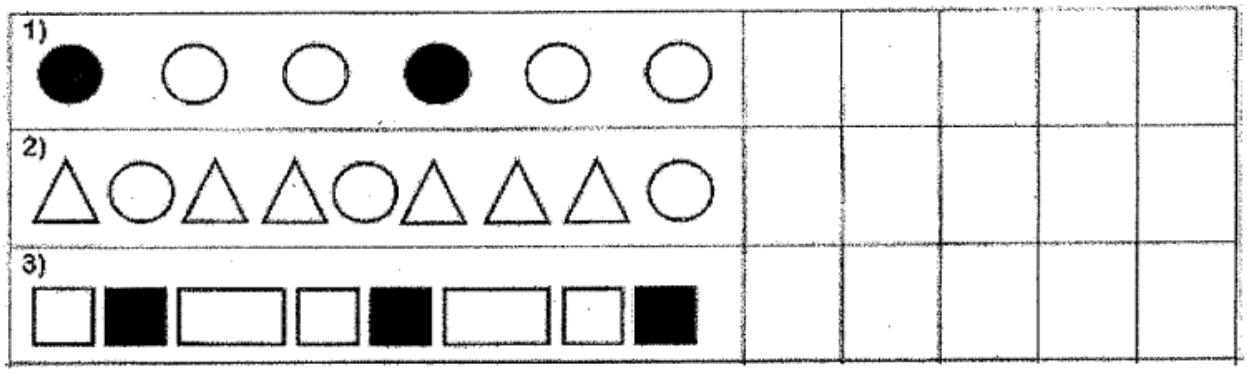
d. If Jane stood on Themba's head, what would their combined height be? (2)

_____

_____ / 5 Marks (Section C)

Section D: Patterns, Functions and Algebra

33. Extend the geometric patterns. (3)



34. Complete the following. (3)

100 + 70 + 2 = ☐☐☐	+10 = ☐☐☐	+ 5 = ☐☐☐
300 + 20 + 8 = ☐☐☐	− 10 = ☐☐☐	− 3 = ☐☐☐
70 + 6 + 400 = ☐☐☐	+ 20 = ☐☐☐	+ 2 = ☐☐☐

35. Complete the following number patterns. (4)

a. 35 45 _____ 65 75

b. 403 _____ 603 703

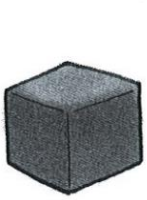
c. 500 490 480 _____

d. 675 650 _____ 600

_____ / 10 Marks (Section D)

Section E: Space and Shape

36. Label the following shapes. (6)



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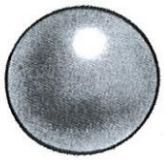

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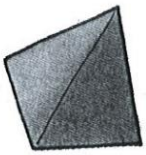

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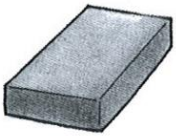

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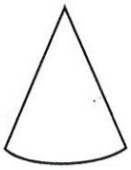
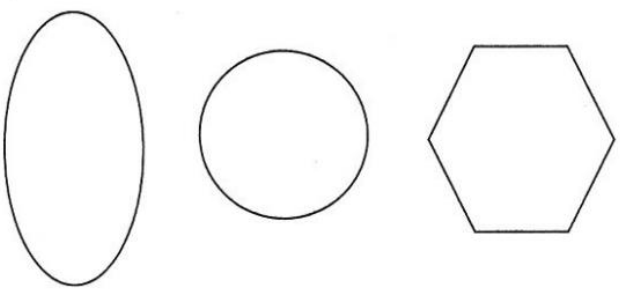


_____

cone	sphere	cube	pyramid	rectangular prism	cylinder

37. Circle the shape for the shaded part of the cylinder. (1)



38. One side of a cube is the shape of a _____. (1)

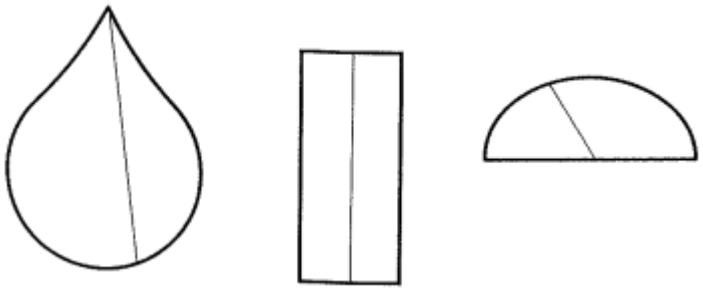
39. One side of a rectangular prism is the shape of a _____. (1)

40. A shape with 3 sides is called a _____. (1)

41. A shape with four equal sides is called a _____. (1)

42. A hexagon has _____ sides. (1)

43. Circle the shape that is divided into half? (1)



_____ / 13 Marks (Section E)

_____ / 100 Marks TOTAL