



EKURHULENI NORTH DISTRICT

MATHEMATICS COMMON EXAMINATION

GRADE:	4
DATE:	November 2015
NAME OF SCHOOL:	
NAME OF LEARNER:	
MARK ALLOCATION:	60 MARKS
TIME:	60 MINUTES
CONTENT:	TERM 1 TO 4

INSTRUCTIONS:

- Read your questions carefully.
- Answer all questions.
- Write neatly and legibly.
- No calculator is to be used.

EKHURHULENI NORTH DISTRICT
MATHEMATICS: NOVEMBER 2015

GRADE: 4

TOTAL: 60

SECTION A: NUMBERS OPERATIONS AND RELATIONSHIPS.

QUESTION 1: Circle the letter of the correct answer.

1.1 What is the value of the underlined digits of 3 564?

- A. 5 Tens.
- B. 5000.
- C. 5H. (1)
- D. 50.

1.2 Which number is missing in the following number pattern?

1 230, _____, 1 260, 1 275

- A. 1 245
- B. 1 240 (1)
- C. 1 250
- D. 1 255

1.3 Which number in square will make the number sentence true:

$$45 \div 3 = 3 \times \text{$$

- A. 5
- B. 20 (1)
- C. 54
- D. 15

1.4 3 is a factor of:

- A. 103
- B. 10 (1)
- C. 16
- D. 15

1.5 Peter is 9 years old and his brother John is 3 years old. The ratio of John's age to Peter's age is:

- A. 9:3
- B. 3:9 (1)
- C. 1:6
- D. 3:2 [5]

QUESTION 2: Calculations with whole numbers:

2.1 Estimate by rounding off to the nearest 100 and add estimated numbers

$5629 =$ _____
$356 =$ _____

(3)

2.2 Work out the difference between 4730 and 2493.

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(2)

2.3 $24 \times 32 =$

(2)

2.4 Fill in True or False.

$6 \times (2 \times 7) = (6 \times 2) \times 7.$

(1)

2.5 Divide 3 into 426.

(2)

2.6 Calculate:

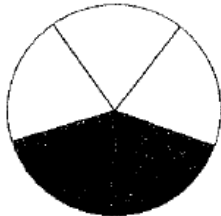
$$5\ 609 + 3\ 776 - 4\ 006$$

(3)

[13]

QUESTION 3: Fractions.

3.1 Which fraction is shaded?



(1)

3.2 Calculate $\frac{2}{10} + \frac{5}{10} =$ _____

(1)

3.3 Grandma needs $\frac{1}{4}$ of 20kg sugar to bake biscuits. How much sugar does she need?

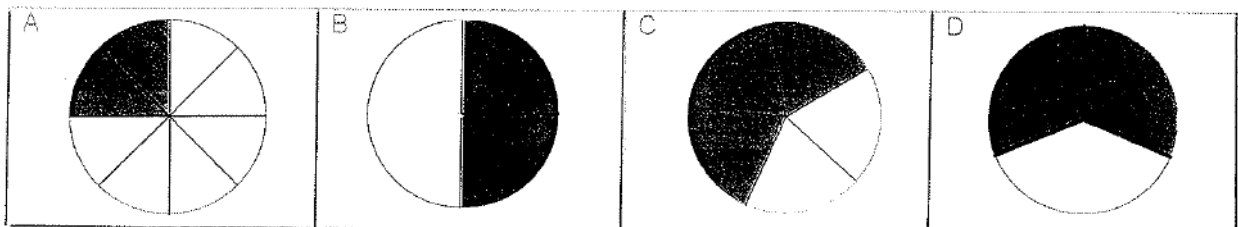
$$\frac{1}{4} \text{ of } 20\text{kg} = \underline{\hspace{2cm}}$$

(1)

3.4 Which fraction is equivalent to $\frac{2}{4}$? Write down the correct letter. _____

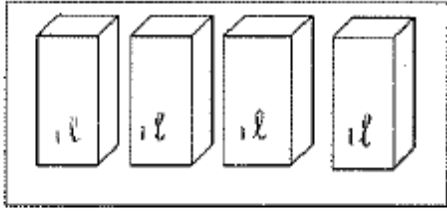
(1)

[4]



QUESTION 4: Problem solving.

4.1.1 One liter (1l) of milk costs R10.50. How much will four liter (4l) cost altogether? (2)



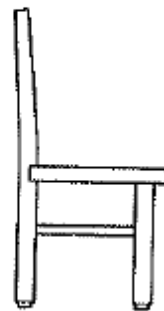
4.1.2 How much change will I get when I pay with a R100.00 note for 4 liter of milk? (2)

4.2 Write a number sentence for the following word problem: (1)

Grandma bakes 300 biscuits. She arranges 30 biscuits on one baking tray. How many baking trays would she need altogether to bake all the biscuits?

4.3 There are 23 rows of chairs containing 25 chairs in each row in the hall. There is an extra row containing 19 chairs. How many chairs are there altogether? Circle the correct number sentence.

- A. $23 \times 25 \times 19$
- B. $(23 \times 25) \times 19$
- C. $(23 \times 25) + 19$
- D. $(23 + 25) + 19$



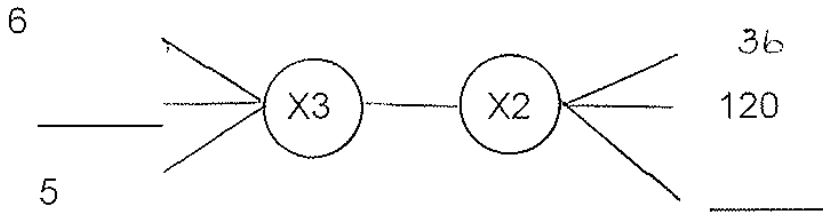
(1)
[6]

SECTION B: NUMBER PATTERNS.

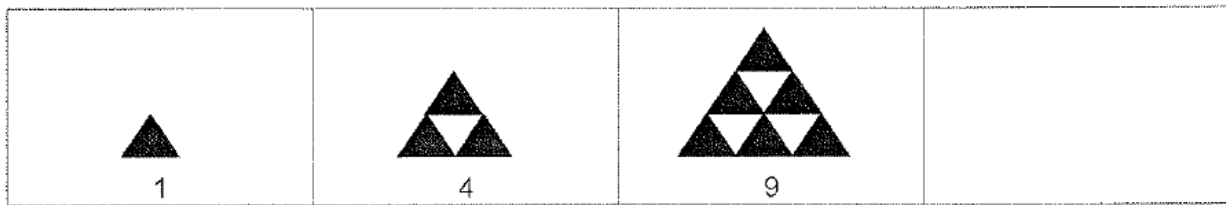
1. Expand the number pattern by filling in the missing numbers.

____; 246; ____; 254; 258. (2)

2. Complete the flow diagram by completing the in – and output numbers. (2)



3. Complete the next stage in the geometric pattern. (2)



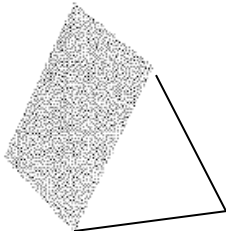
4. Expand the following number pattern. (1)

10 (2), 9 (4), 8 (6), _____

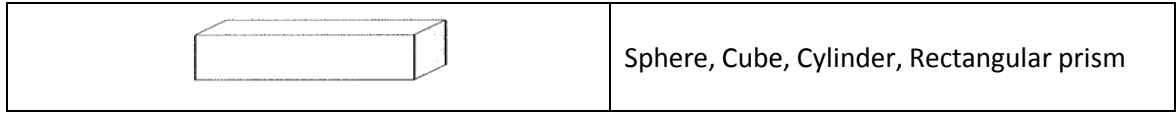
[7]

SECTION C: SPACE AND SHAPES:

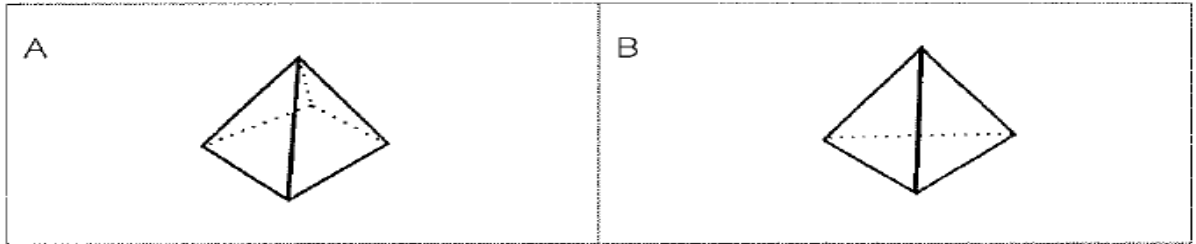
1. Identify any 2D shapes used to fold the triangular prism: (1)



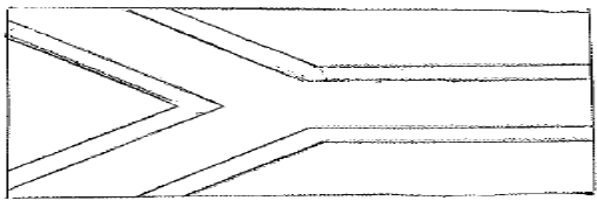
2. Circle the name that is relevant to the 3D object: (1)



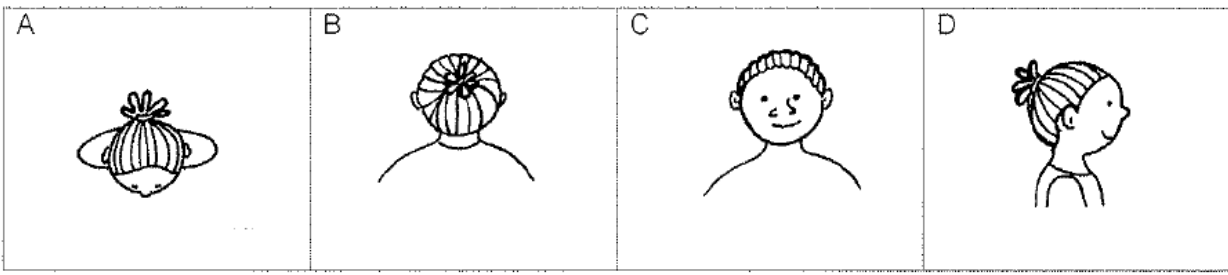
3. Circle the pyramid with 5 angles and 8 edges/lines. (1)



4. Divide our countries flag symmetrical: (1)



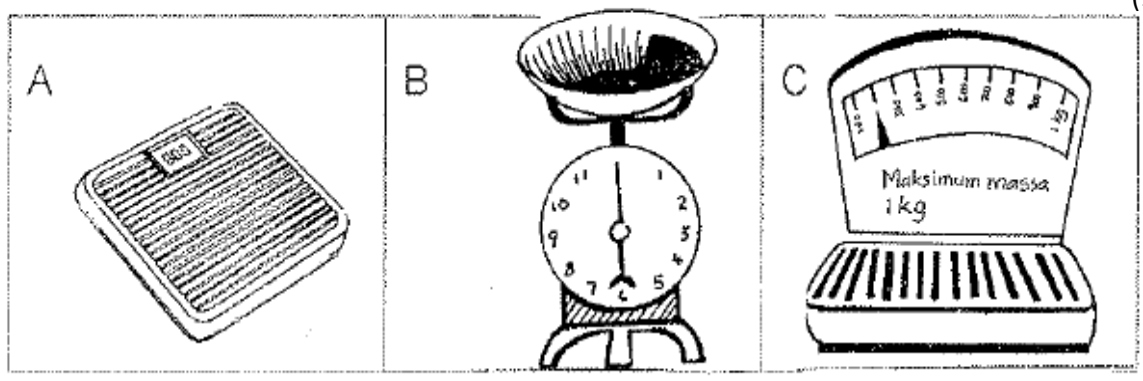
5. Circle the top – view picture: (1)



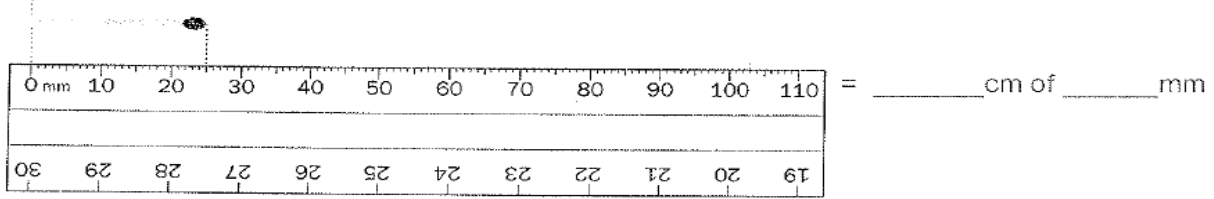
[5]

SECTION D: MEASUREMENT.

1. Which measuring tool would you use to weigh your weight? (mass) Circle the correct alphabet. (1)

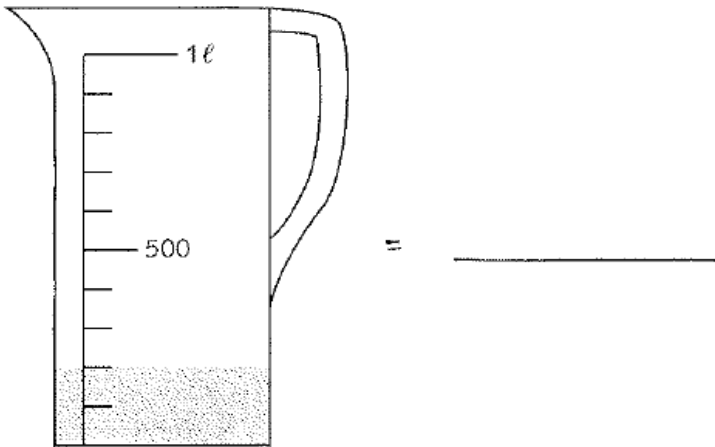


2. How long is the match stick? (1)



3. $500\text{g} + 500\text{g} + 500\text{g} =$ _____ kg (1)

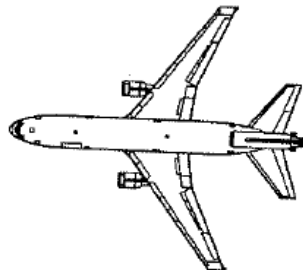
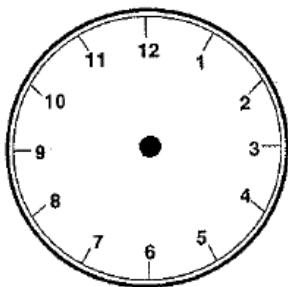
4. Measure the liquid in the jug. _____ (1)



5. Study the flight roster from one of the SAA flights. Answer the questions:

<u>Departure</u>	<u>City</u>	<u>Arrivals</u>	<u>City</u>
18:10	Cape Town	19:15	Port Elizabeth
19:35	Port Elizabeth	20:10	East London
20:30	East London	21:20	Durban

5.1 Indicate the landing time in Durban on the clock. (1)




5.2 How long does a flight take from Cape Town to PE? _____ (2)

5.3 How much time does the flight take from East London to Durban? _____ (2)

5.4 18h 10min plus 19h 35min _____ h _____ (1)

5.5 The competition started on the 10th of March and ended on the 25th of May. How many days did it last? _____ (2)

6. Indicate the perimeter and surface of the figure below. (each  = 1 cm)



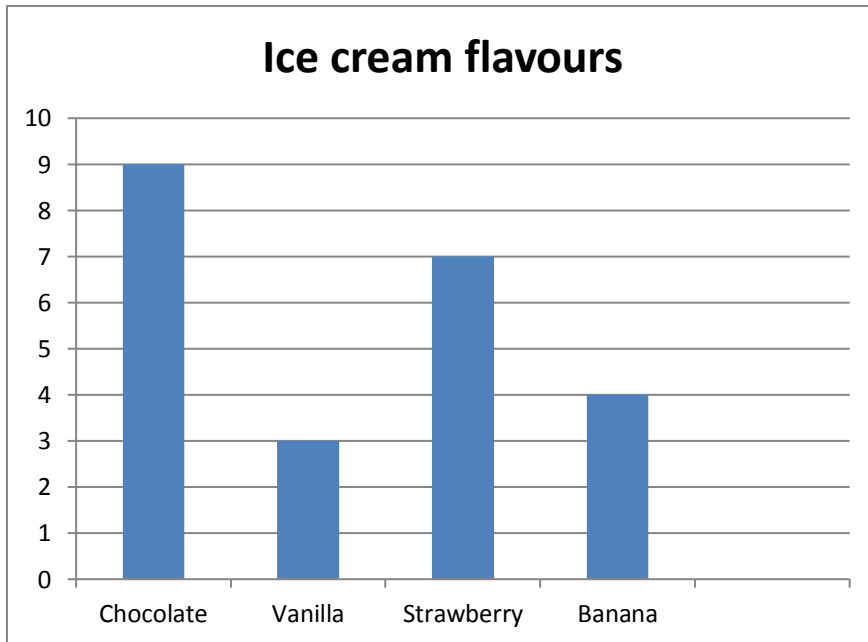
Perimeter = _____ (2)

Surface = _____ (2)

[16]

SECTION E: DATA HANDLING.

1. The bar graph below indicates the favorite ice cream flavors of a group of friends.



1.1 How many friends participated in the survey _____ (2)

1.2 How many friends prefer chocolate to banana _____ (1)

2. Mark the appropriate column with a "x" (1)

	Statement	Will definitely happen	Can possibly happen	Will never happen
	This year December will be before November			

[4]

TOTAL MARKS: 60