Name_

8011/2 **ARITHMETIC**

Time: 1 hour December 2015

Candidate's Signature

Date



THE KENYA NATIONAL EXAMINATIONS COUNCIL

EARLY CHILDHOOD DEVELOPMENT AND EDUCATI

CERTIFICATE IN PROFICIENCY EXAMINATION

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ARITHMETIC

1 hour

INSTRUCTIONS TO CANDIDATES

Answer ALL the questions in this paper. Sign and write the date of examination in the spaces provided above. Candidates should answer the questions in English All answers must be written in the spaces provided in this booklet. Do NOT remove any pages from this booklet. Write your name and index number in the spaces provided above.

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40	Maximum Score
	Candidate's Score

This paper consists of 8 printed pages.

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Candidates should check the question paper to ascertain that all t pages are printed as indicated and that no questions are missing

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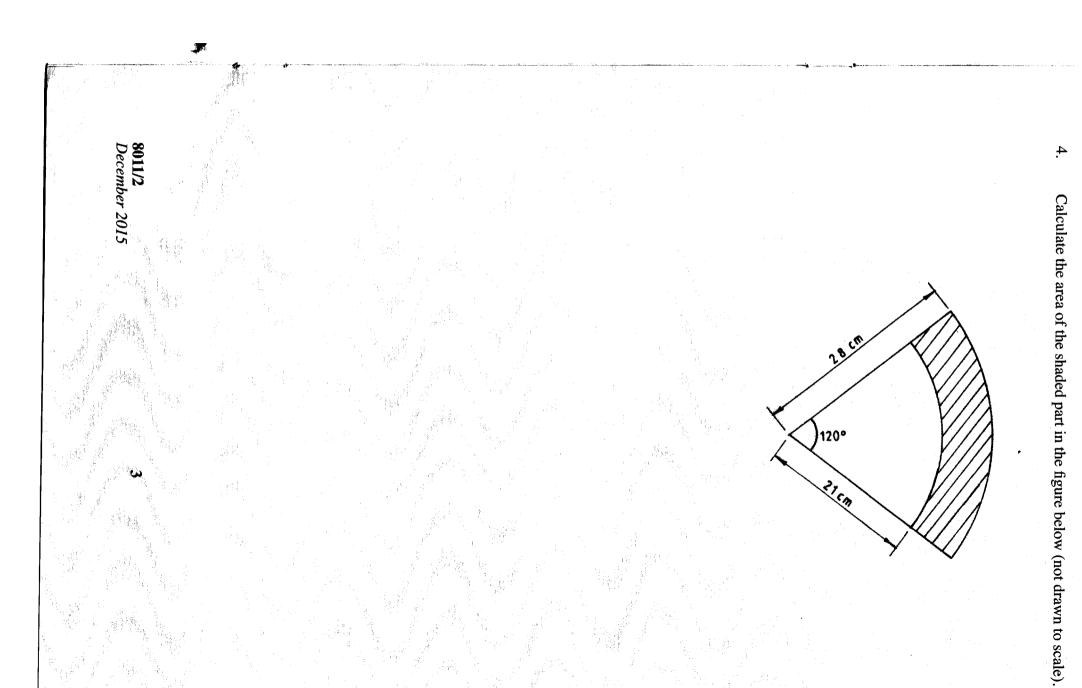


A piece of cloth 360 cm long is cut in the ratio 9:6. Calculate the length of each piece

ate
$$\frac{1}{2}$$

$$\frac{1}{2}$$
 of $\frac{1}{4}$





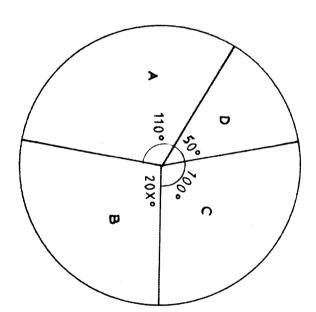


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get?

A customer bought it at Ksh 550 after bargaining. What percentage profit did Mary Mary who runs a clothing shop bought a skirt for Ksh 500 and marked it at Ksh 600

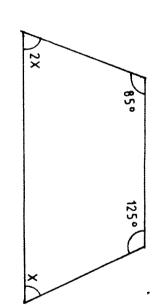
6 and D in Kenya. The pie chart below represent the number of foot ball teams in four counties A, B, C



(a) Find the value of x.

(b) in county B. If the total number of teams in the four counties is 36. Find the numb

7. Find the value of x in the following figure.



∞ of 21 cm. Calculate the total surface area of a closed cylinder of base radius 7 cm and a heig

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mark was 59, find the value of x.

The marks of ten students in a test were: 55, 62, 51, 49, 65, 59, 67, 60, x and 61. If the marks of ten students in a test were: 55, 62, 51, 49, 65, 59, 67, 60, x and 61.

- 10. two hours. A day in a school starts at 7.30 am and ends at 5.00 p.m. Tea and lunch breaks take a
- (a) How long do the lessons take?

(b) If there are ten equal lessons in a day how long is each lesson?

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Write the following as a single fraction in its simplest form.

$$\frac{4x-6}{4} + \frac{2x-2}{3}$$

12. Solve the pair of simultaneous equations:

$$2x - y = 3$$

$$^{\prime}x + 2y = 16$$

13. Write the place value of the digit 8 in the number.

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Find the actual dimensions on the ground in metres. A map is drawn to scale of 1:2000. A rectangular field on the map measures 2 c



(b) Work out the radius of the new ring.

Two rings of diameter 6.3 cm and 4.9 cm are cut and joined to form a new ring.

Find the circumference of the new ring.

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