



CLASSIFIED

International Examinations Papers

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MATHEMATICS CORE

TOPIC- Limits of accuracy

13/11/12

1 A carton contains 250 ml of juice, correct to the nearest millilitre.

Complete the statement about the amount of juice, j ml, in the carton.

Answer $\leq j <$ [2]

2 A group of students take part in their school's sports day.

(a) (i) The length, l m, that Anna throws the javelin is 23.6 metres correct to the nearest 10 centimetres.

Complete the statement about l .

Answer(a)(i) $\leq l <$ [2]

(ii) Billy throws the hammer a distance of 8 metres on his first throw.
His second throw is 15% further.

Calculate the distance of his second throw.

Answer(a)(ii) m [2]

03 St Isaac's cathedral in St Petersburg is 101 m high, correct to the nearest metre.

Complete the statement about the height, h metres, of St Isaac's cathedral.

Answer(c) $\leq h <$ [2]

33/11/14

33/11/15



04 The number of people, n , who attended a concert was 12 600 to the nearest 100.

Complete the statement about n .

Answer $\leq n <$ [2]

5 The length, p cm, of a car is 440 cm, correct to the nearest 10 cm.

Complete the statement about p .

Answer $\leq p <$ [2]

For
Examiner's
Use

06 Ingrid throws a javelin a distance of 58.3 metres, correct to 1 decimal place.

Complete the statement about the distance, d metres, the javelin is thrown.

Answer $\leq d <$ [2]

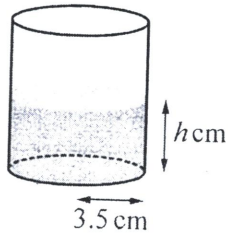


12/7/12

12/7/11

07

Tariq pours 300 cm^3 of fruit drink into a glass.
The glass is in the shape of a cylinder with radius 3.5 cm .
The height of the drink in the glass is $h \text{ cm}$.



NOT TO
SCALE

Work out the value of h .

$h = \dots\dots\dots$ [2]

The capacity of a jug is 750 ml correct to the nearest 10 ml .

Write down the upper and lower bounds of the capacity of the jug.

Upper bound = $\dots\dots\dots \text{ ml}$

Lower bound = $\dots\dots\dots \text{ ml}$ [2]

