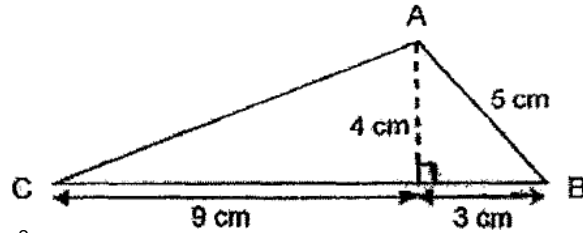Measurement Worksheet

P5 Mathematics CA2 2015

References:
P5 Math CA2 papers of NHPS, RS

For each question, four options are given. One of them is the correct answer.
Make your choice (1,2,3 or 4).

1. What is the area of triangle ABC as shown in the figure?



   (1)   18 cm$^2$
   (2)   24 cm$^2$
   (3)   30 cm$^2$
   (4)   48 cm$^2$                                                      (    )

2. The total mass of 2 apples and 3 pears is 822 g. The 3 pears have a total mass of 478 g. What is the average mass of the 2 apples?
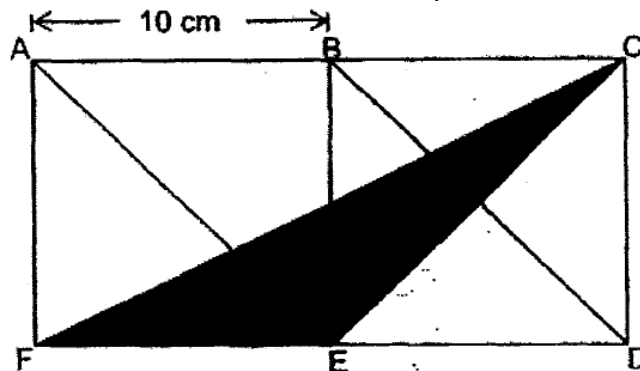   (1)   134 g
   (2)   172 g
   (3)   344 g
   (4)   583 g                                                         (    )

3. Express 2030 cm in metres.
   (1)   2.3 m
   (2)   2.03 m
   (3)   20.3 m
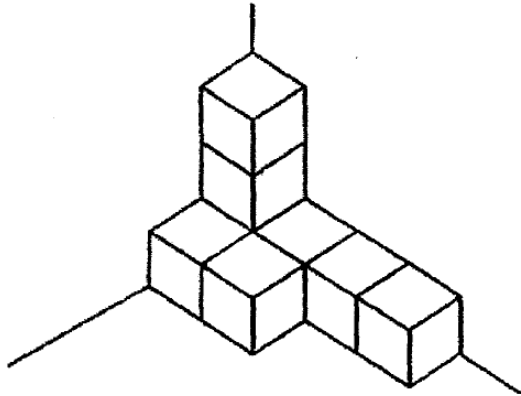   (4)   203 m                                                         (    )

4. The figure below is made up of two identical squares ABEF and BCDE. Given that AB = 10 cm, what is the area of all the shaded parts?



   (1)   25 cm$^2$
   (2)   50 cm$^2$
   (3)   75 cm$^2$
   (4)   100 cm$^2$                                                    (    )

5.    The figure is made up of 1-cm cubes.
      How many more cubes must be added to the figure to get a volume of 14 cm$^3$?

      (1)    5
      (2)    6
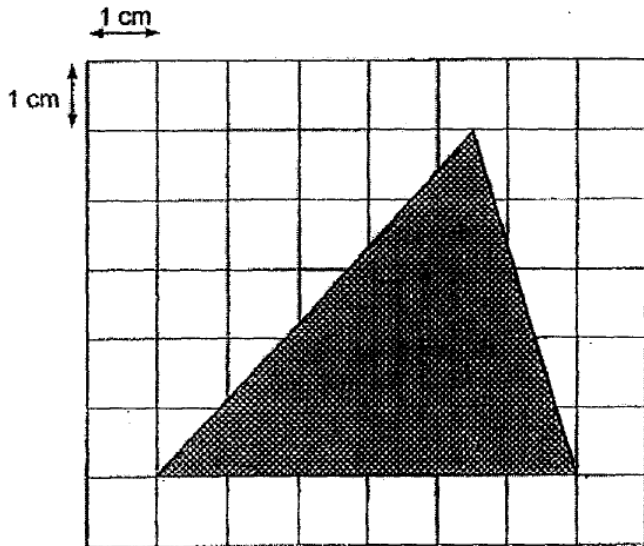      (3)    7
      (4)    8                                                    (       )

Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

6.    Find the area of the shaded triangle in the square grid below.



Ans: _____cm$^2$

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7.    A confectioner has 43.28 kg of sugar. He used 28.65 kg of it to make candies. How much sugar does he have left? Round off your answer to the nearest kg.

Ans: _____ kg

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8.    Container A can hold 4 ℓ of water. Container B can hold $\frac{3}{5}$ ℓ of water less than Container A. What is the total amount of water that both Container A and Container B can hold? Give your answer as a mixed number in the simplest form.
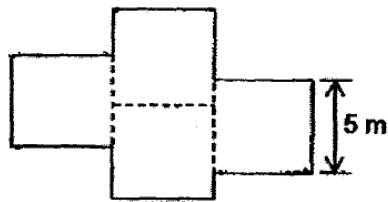
Ans: _____ ℓ

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9.   A rectangle measures 80 cm by 60 cm.. Its length and breadth are both increased by 40%. Find the perimeter of the new rectangle.
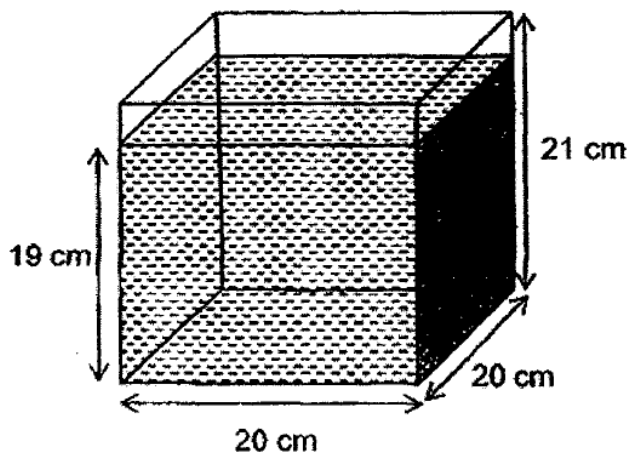
Ans: _____ cm

10.  The figure below is made up of four identical squares. What is the perimeter of the figure?



Ans: _____ m

11.  A container with a square base of side 20 cm, has a height of 21 cm. It is filed with water to a height of 19 cm. How much more water must be added to fill the container completely?



Ans: _____ cm$^3$

# Answer Key

Subject: Primary 5 Maths – Measurement
Paper:  CA2 2015

| Q1 | Q2 | Q3 | Q4 | Q5 |
|----|----|----|----|----|
| 2 | 2 | 3 | 2 | 2 |

6.    15
7.    $43.28 - 28.65 = 14.63 \approx 15$
8.    $4 + (4 - \frac{3}{5}) = 8 - \frac{3}{5} = 7\frac{2}{5}$
9.    Increase in L ->0.4 x 80 = 32
      New L -> 32 + 80 = 112
      Increase in B -> 0.4 x 60 = 24
      New B -> 24 + 60 = 84
      New Perimeter -> 84 + 84 + 112 + 112 = 392
10.   10+5 = 50 m
11.   $20 \times 20 \times 2 = 800 \text{ cm}^3$

References:
Q(1,2,6,7,8,9)=RS(Q5,11,24,26,27,30)
Q(3,4,5,10,11)=NHPS(Q2,11,13,25,26)