2011_Grade_6_Mathematics_Set_A

[1]   Calculate the following

    (1)   806 – 9

    (2)   13.9 × 7

    (3)   12 ÷ 0.6

    (4)   8 × 4 – 2 × 5

    (5)   5 × (2 + 3)

    (6) $1\dfrac{2}{7} - \dfrac{4}{7}$

    (7) $\dfrac{1}{4} + \dfrac{2}{5}$

[2]   Answer the following questions.

    (1)   Write the following number using numerals.

        One hundred thousand four hundred eight

    (2)   In the following equation, write the appropriate number in ⬭ .

$$7.35 = 7 + \dfrac{\bigcirc}{100}$$

    (3)   There are following 4 cards.

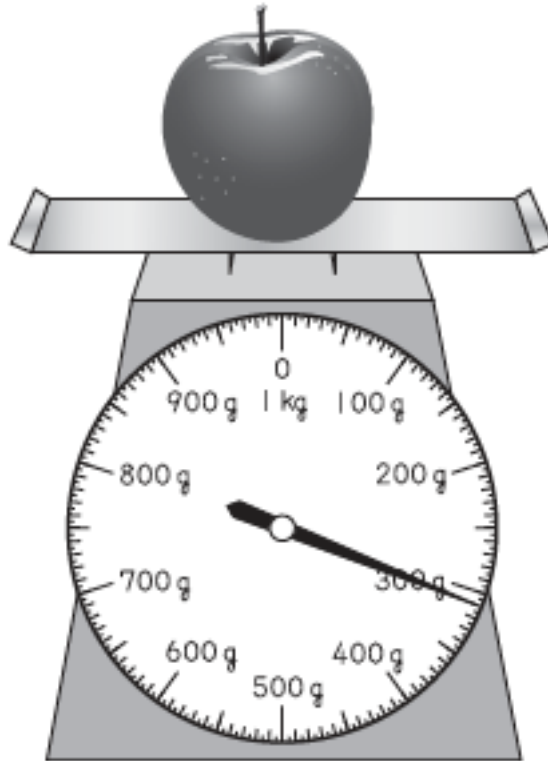 | 1 | | 3 | | 5 | | 7 |

    Using these cards exactly once, we will make a 4-digit whole number. Of the numbers we can make, write the whole number that is closest to 5000.

[3] Answer the following questions.

(1) When an apple is placed on a scale, the result was as shown in the figure below.
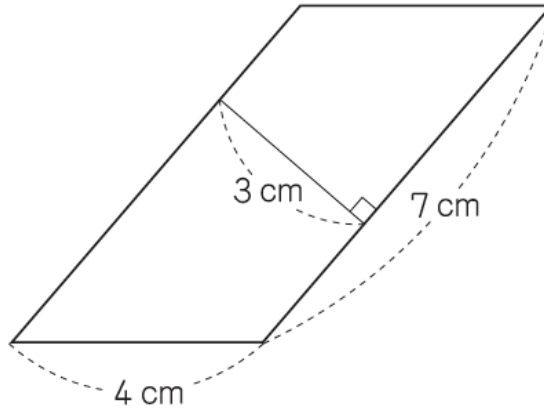How many g is the weight of this apple? Write your answer.

(2) Sachiko left her house at 9:50 am and arrived at the zoo at 11:15 am on the same day. How many hours and how many minutes did it take for her to reach the zoo from her house? Write your answer.
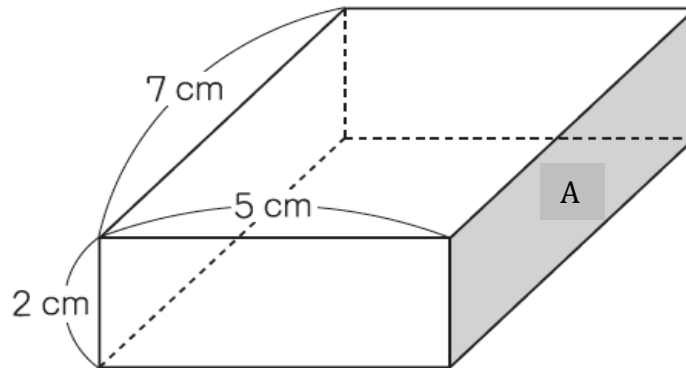

"Time she left her house"   "Time she arrived at the zoo"

[4]   Write the expression to calculate the area and the area of the following parallelogram.
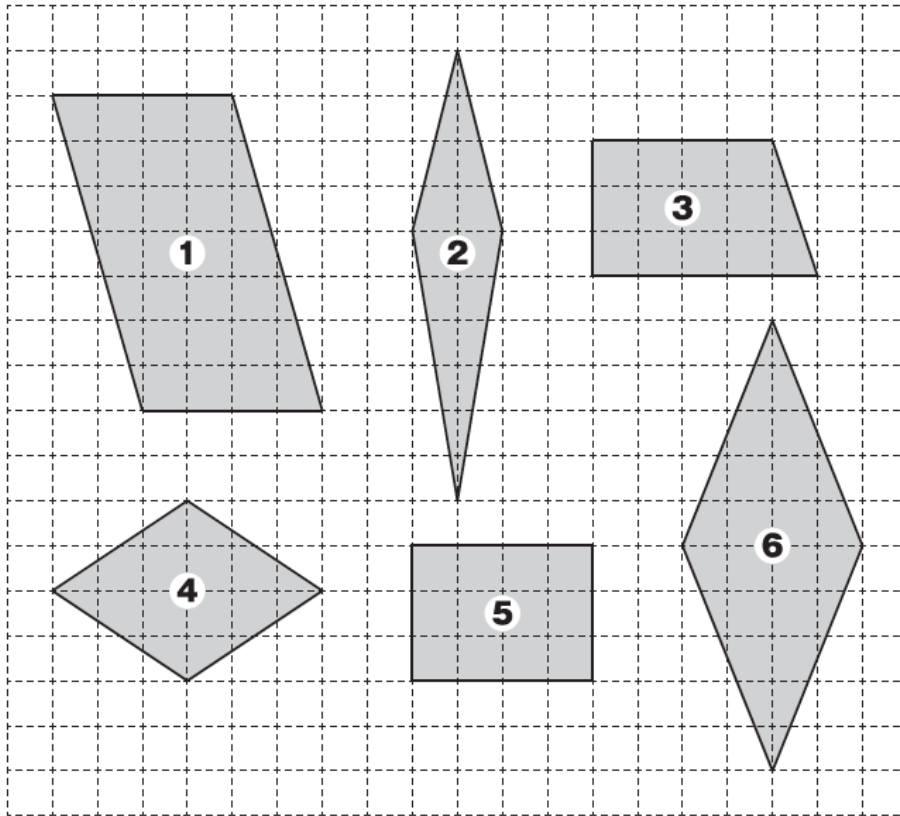

[5]   There is a rectangular prism like the one shown in the figure below.
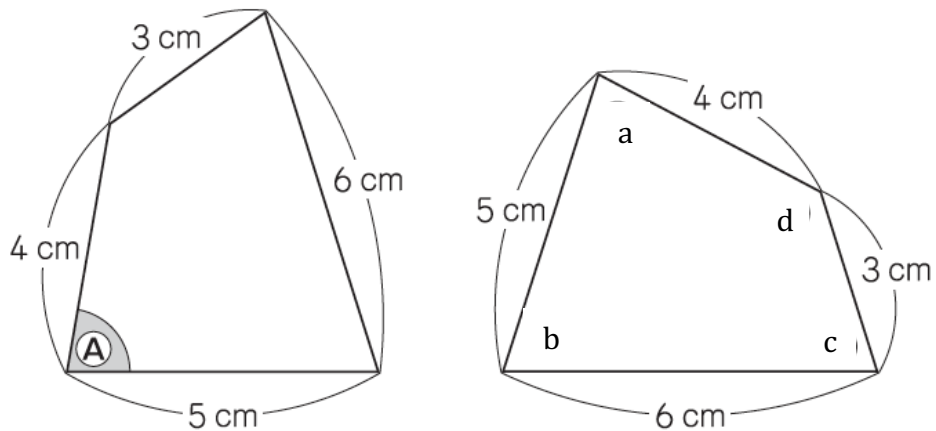

(1)   What are the dimensions of the shaded rectangular face, A. Select from **1** through **3** below and write the number.

1   Rectangle with the vertical sides of 2cm and the horizontal sides of 5 cm.
2   Rectangle with the vertical sides of 2 cm and the horizontal sides of 7 cm.
3   Rectangle with the vertical sides of 7 cm and the horizontal sides of 5 cm.

(2)   Write the expression to calculate the volume and the volume of this rectangular prism.

[6]   Of the quadrilaterals drawn on the grid shown below, which ones are rhombuses? Select 2 from **1** through **6** and write the numbers.
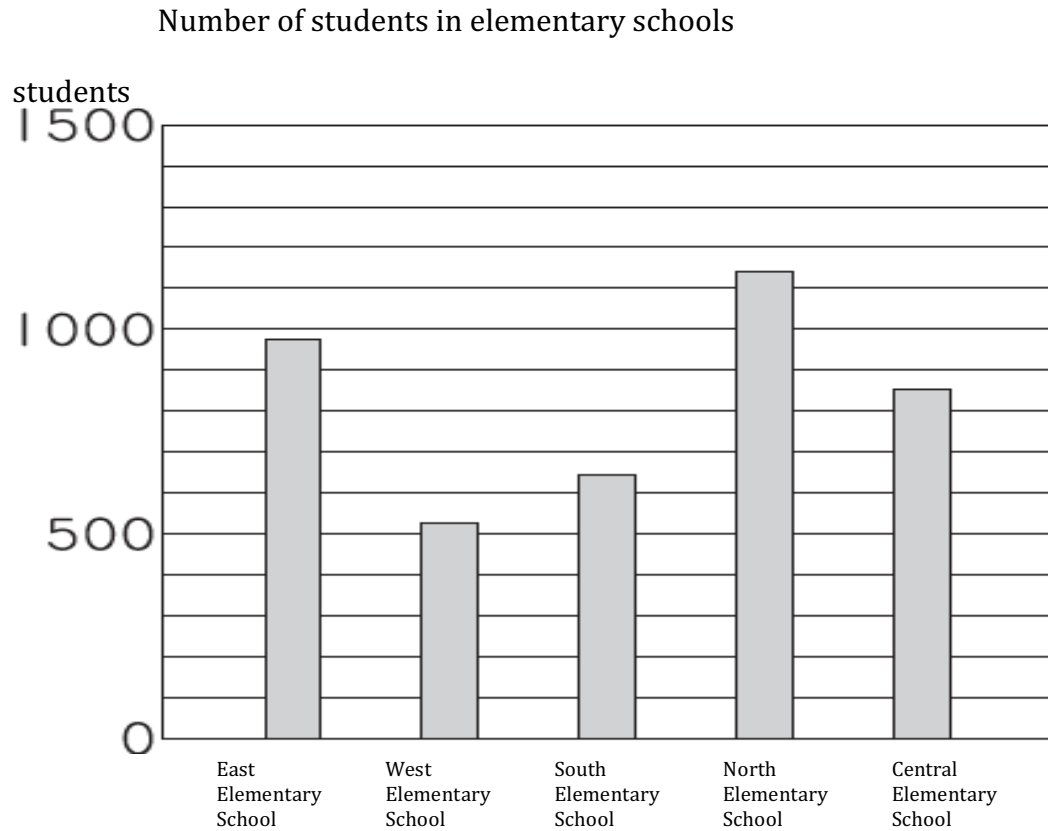

[7]   The 2 quadrilaterals below are congruent.
To which angle does angle **A** of the quadrilateral on the left correspond?
From angles **a** through **d** of the quadrilateral on the right select one and write the letter.

[8] There are 5 elementary schools in the city where Atsuko live.

The bar graphs below show the number of students in those elementary schools.

Number of students in elementary schools

students

Which elementary school has the most students? Write your answer.

[9] A group of elementary school students gathered at a certain location.
Of the 100 elementary school students gathered, 40 % were girls.
How many girls were there? Write your answer.
Also, write the expression to calculate the answer.

Elementary School Students 100

Girls [ ]

40 %