

COLLEGE SAINT-JOHN PERSE

Math Challenge 2018

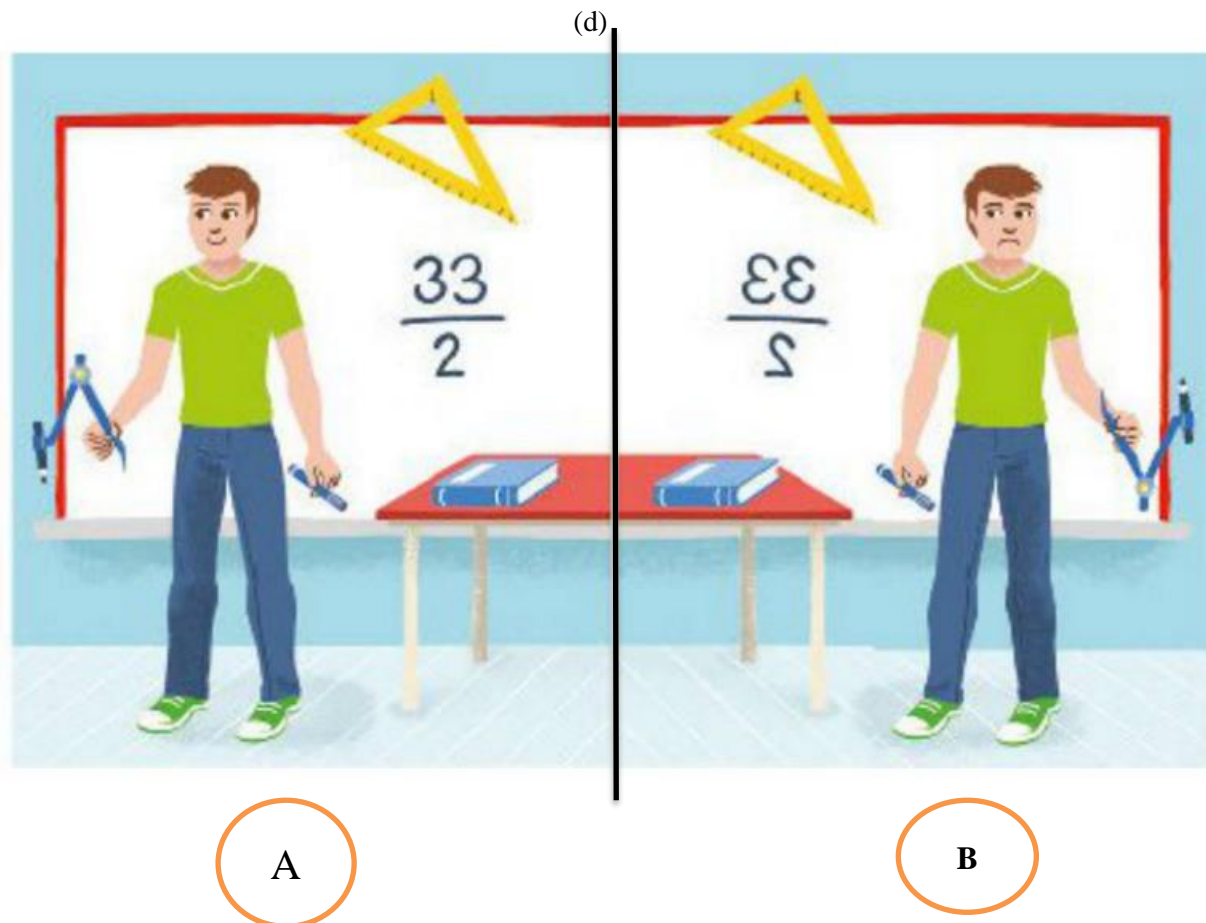
Rallye de Mathématiques en Anglais – 2^{ème} édition
5^{ème}

DUREE : 1 heure

<i>Rankings :</i>	<i>Mark :</i>	<i>duration :</i>	
	<i>TEAM (Family name, First name)</i>		<i>Class</i>

Instructions:

The exercises are independent from one another. They can be done in any order.

EXERCISE 1 : « symmetry » ***

Pictures A and B are not perfectly symmetrical. Circle the 7 errors on picture B, taking into account the symmetrical axis.

EXERCISE 2 : “ a school trip to Dominica ”

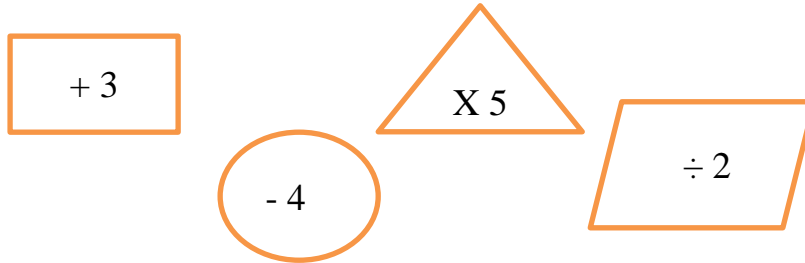
Out of the 28 pupils in Class 503, 20 are going on a school trip to Dominica. Class 501 has 21 pupils.

How many pupils in 501 are going to Dominica if the same proportion of pupils in both classes goes on the trip ?

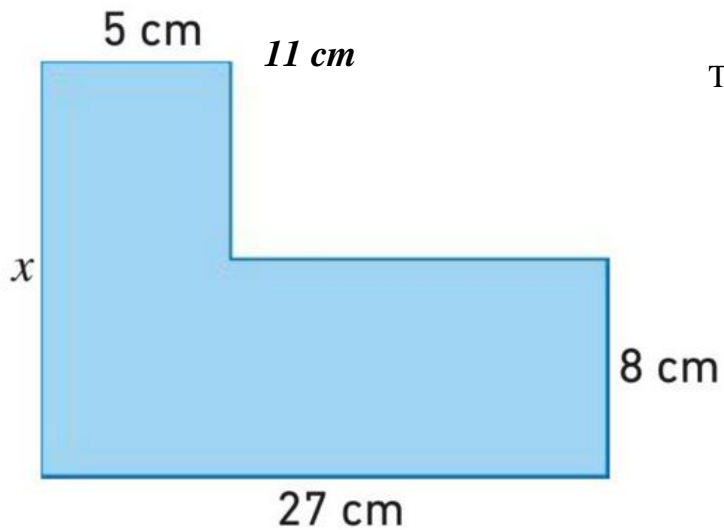
ANSWER :.....

EXERCISE 3: “*brain-teaser*”

Find the order in which you can do the following operations to get **31** starting with **8**



ANSWER : **8** = **31**

EXERCISE 4: “*Perimeter and area*”

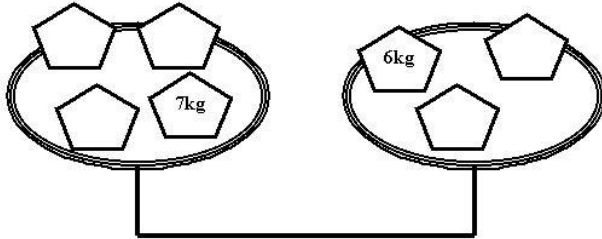
The perimeter of this shape is 92 cm.

1. Find the length marked x.

ANSWER :.....

2. Calculate the area of this shape.

ANSWER :.....

EXERCISE 5 : « a well-balanced scale »

Place 1 kg, 2 kg, 3 kg, 4 kg and 5 kg on the weights so that the scale is well-balanced.

EXERCISE 6 : « clocks »

The alarm of clock A rings every 2 hours

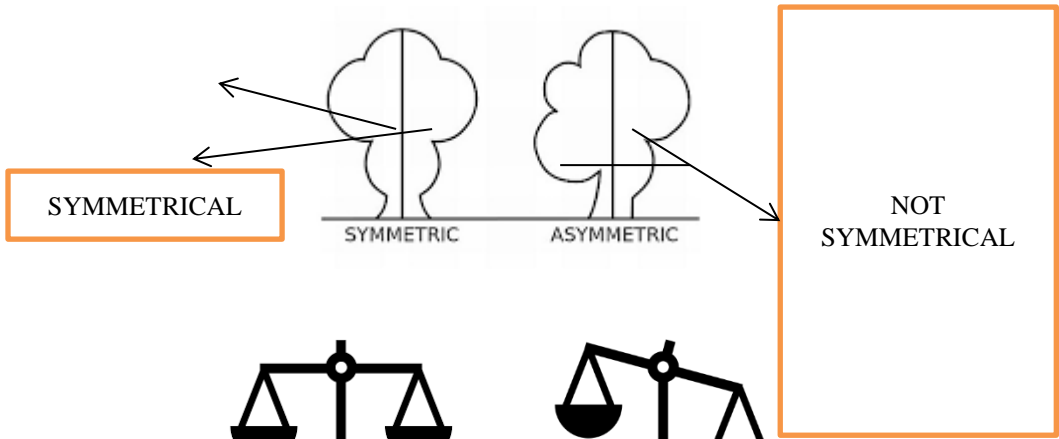


The alarm of clock B rings every 3 hours

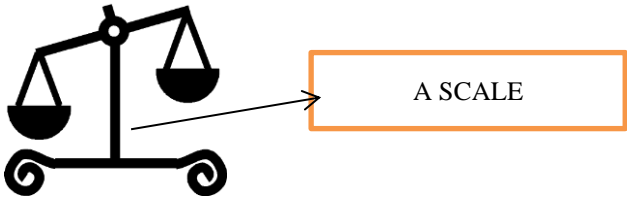
Today at 12 :00 a.m the alarms of Clock A and Clock B rang together.

What time are they going to ring together again today ?

ANSWER :.....



VOCABULARY



<p>OUT OF 28 : sur les 28 The length : la longueur The area : la surface The shape : la figure</p>	<p>the following operations : les operations suivantes the same : la même/le même both classes : les 2 classes</p>
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SOURCES

***Exercice 1 tiré du manuel
 Myriade 5eme
 Programme 2016 Editions Bordas

