

My name is

Math CM1

MHM work for

January/ February

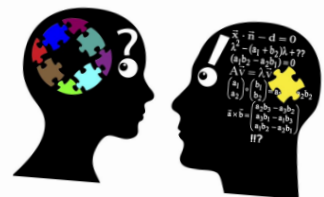
Math

is about learning
Not performing



There is no such thing as
a math person!

Everyone can learn **Math**
At high level.



Today's fraction

$$\frac{\dots}{\dots} = \dots$$

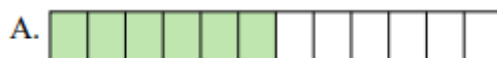


< or > ?

$$\frac{\dots}{\dots} \dots 1$$



Ex) $\frac{1}{8} + \frac{1}{8} = \dots\dots\dots$



1) $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} = \dots\dots\dots$



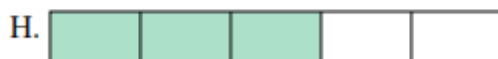
2) $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \dots\dots\dots$



3) $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \dots\dots\dots$



4) $\frac{1}{3} + \frac{1}{3} = \dots\dots\dots$



5) $\frac{1}{12} + \frac{1}{12} = \dots\dots\dots$

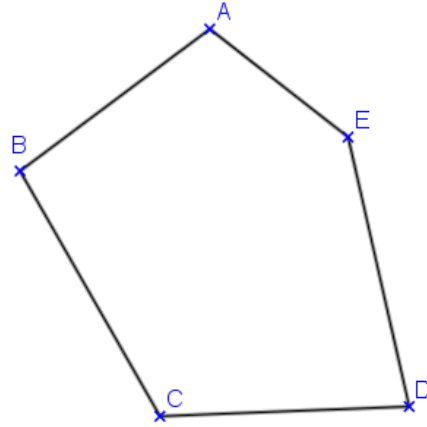
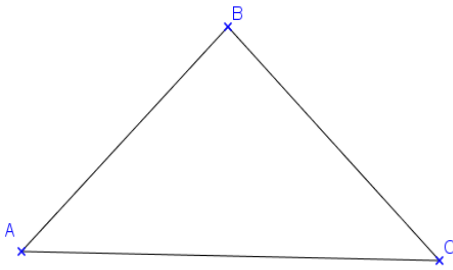


6) $\frac{1}{4} + \frac{1}{4} = \dots\dots\dots$

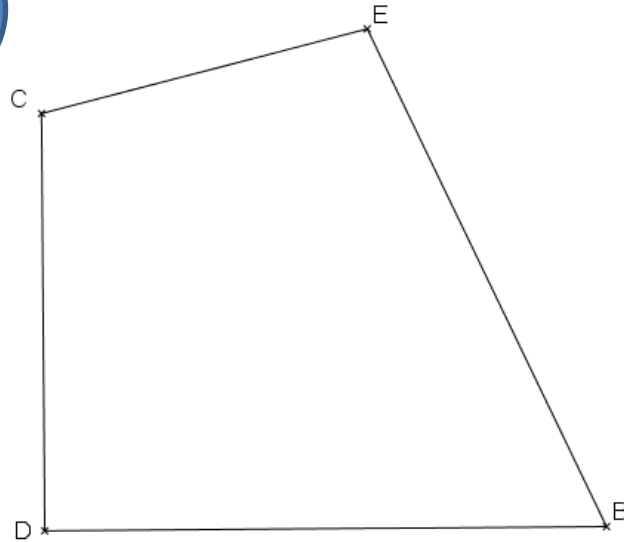
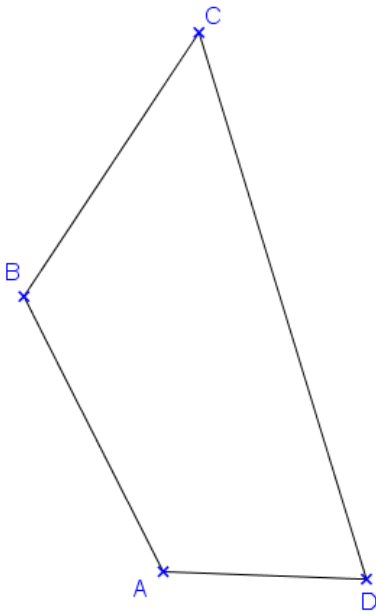


Angles

Marque en bleu l'angle A dans chacune des figures. :



Colour in blue the acute angles.
Colour in red the rights angles.
Colour in green the obuses angles.

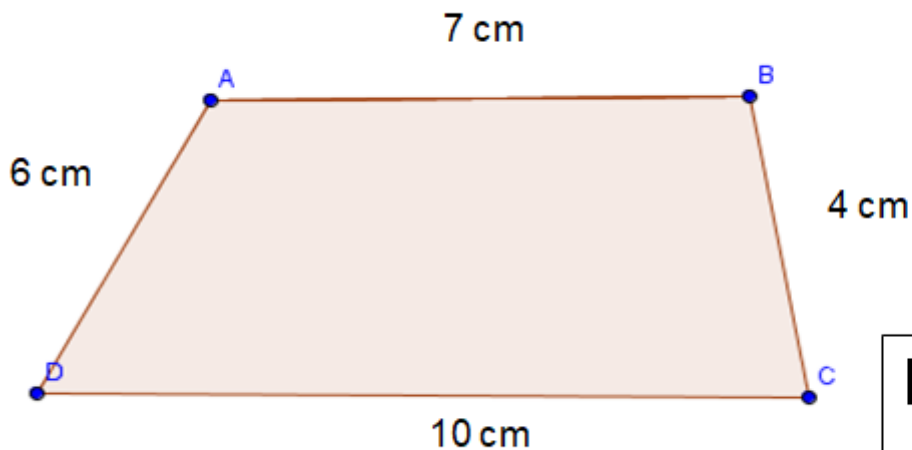


Draw a obuse angle called A . Draw an acute angle called B.



Architect 10

What is the perimeter of the shape?

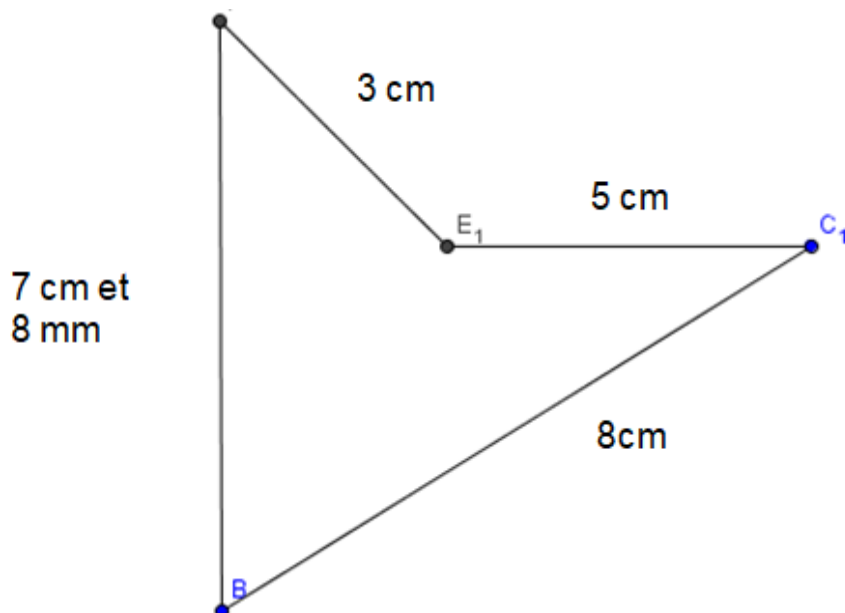


$P = \dots \text{ cm}$



Architect 11

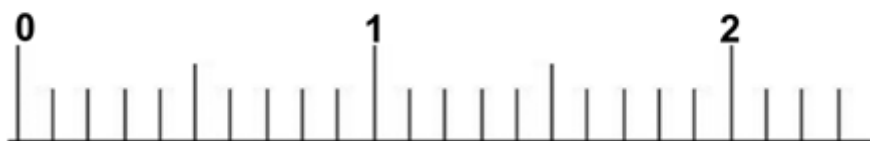
What is the perimeter of the shape?



$P = \dots$

Today's fraction

$$\frac{\dots}{\dots} = \dots$$

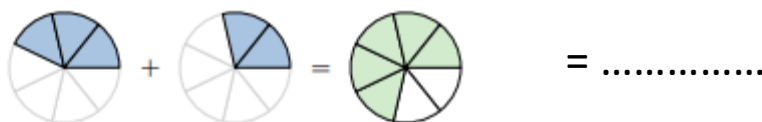


< or > ?

$$\frac{\dots}{\dots} \dots 1$$



Ex)



=

1)



=

2)



=

3)



=

4)

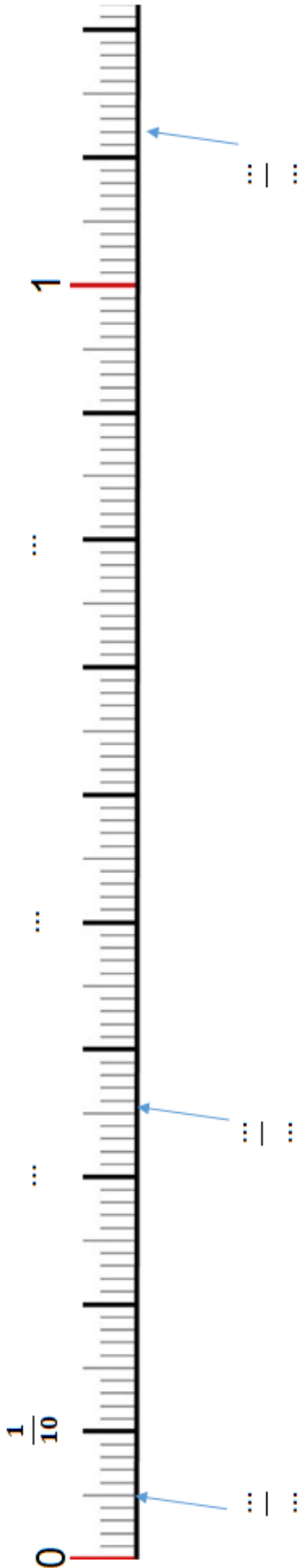


=

5)



=



Complete...



2/ En combien de parties est découpée toute la bande entre 0 et 1 ?

Donc à quelle fraction correspond une petite graduation ?

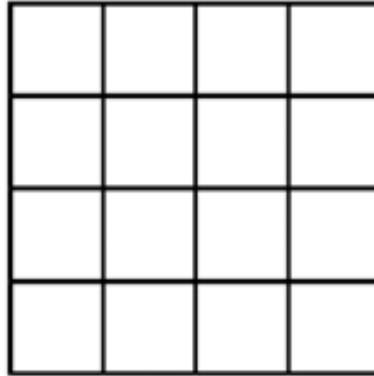
4/ Complète les fractions qui sont sous la droite graduée.





FRACTION / 6 /

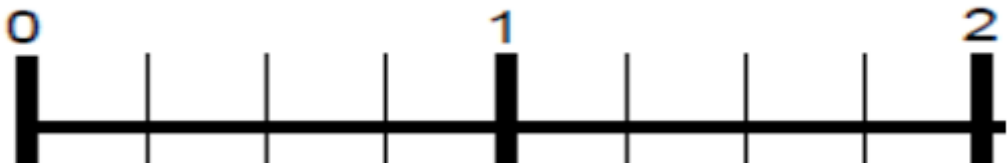
Sur la figure : colorie $\frac{1}{16}$ du carré en rouge + colorie $\frac{4}{16}$ en vert :



FRACTION / 7 /

Place les fractions sur la droite graduée :

$$\frac{7}{4}; \frac{3}{2}; \frac{3}{4}$$

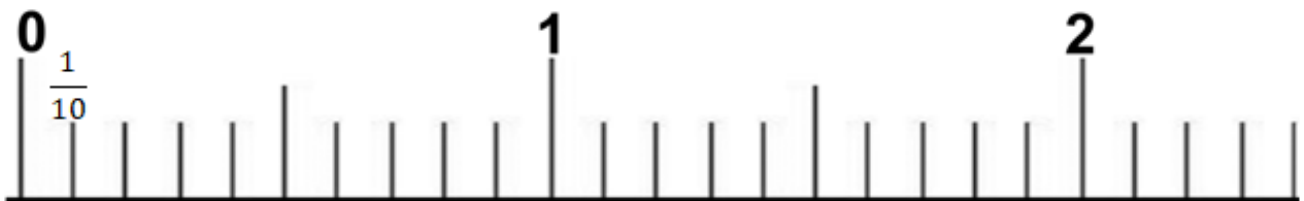




FRACTION / 8 /

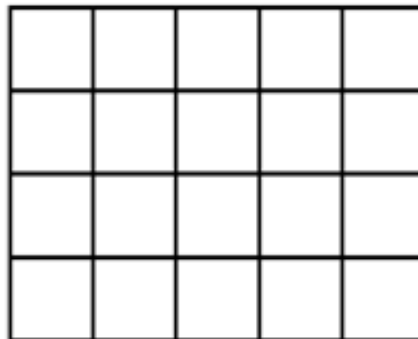
Place les fractions sur la droite graduée :

$$\frac{9}{10}; \frac{19}{10}; \frac{21}{10}$$



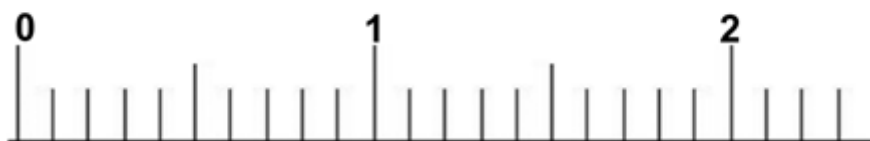
FRACTION / 9 /

Partage ce rectangle en 5 parties égales et colorie alors $\frac{1}{5}$ du rectangle :



Today's fraction

$$\frac{\dots}{\dots} = \dots$$



< or > ?

$$\frac{\dots}{\dots} \dots 1$$



Ex)



1)



2)



3)



4)



5)



Today's fraction

$$\frac{\dots}{\dots} = \dots$$



< or > ?

$$\frac{\dots}{\dots} \dots 1$$



Circle the right one!

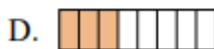
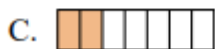
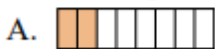
1) Laquelle de ces représentation représente la valeur de $\frac{3}{7}$?



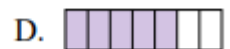
2) Laquelle de ces représentation représente la valeur de $\frac{2}{4}$?



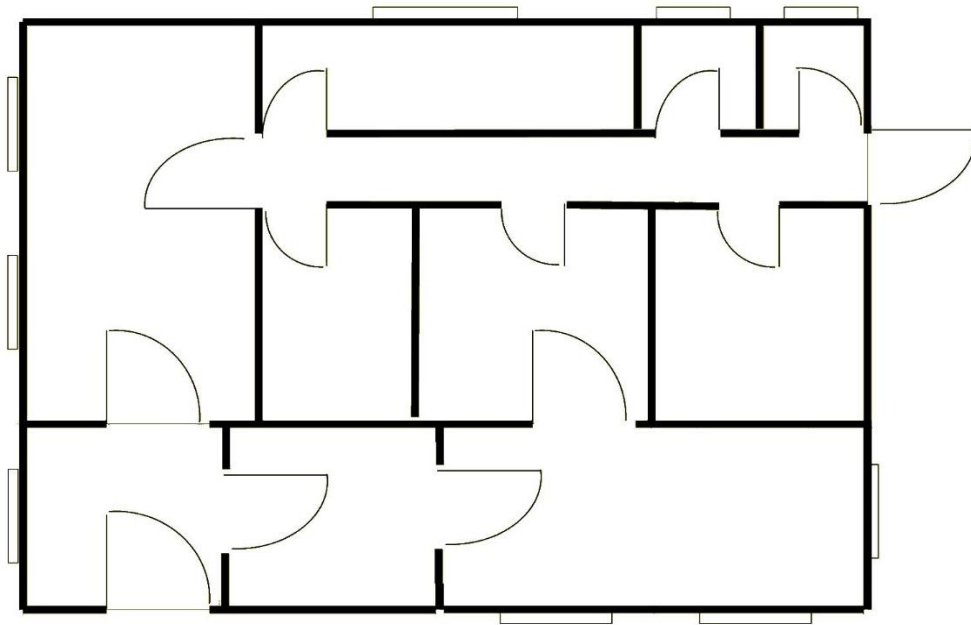
3) Laquelle de ces représentation représente la valeur de $\frac{2}{8}$?



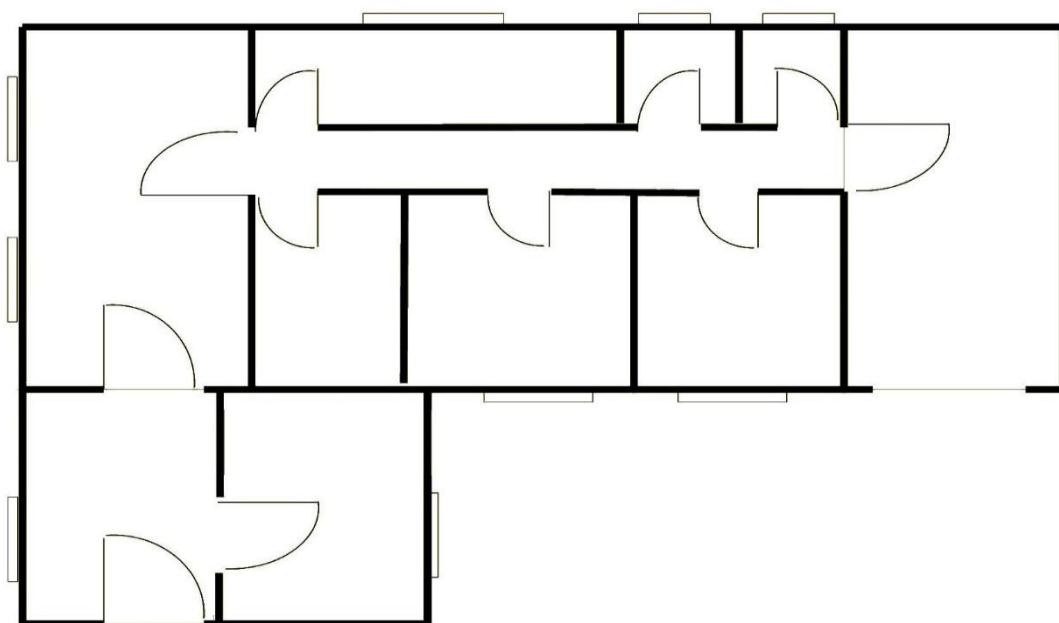
4) Laquelle de ces représentation représente la valeur de $\frac{5}{7}$?



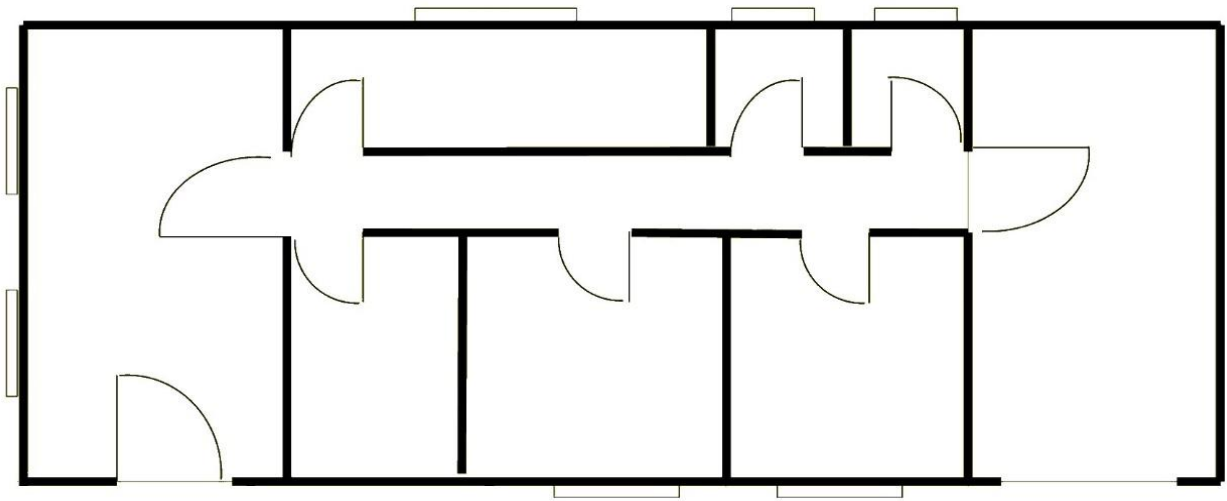
A



B



C



Wich house is the biggest?

.....

Wich house is the smallest?

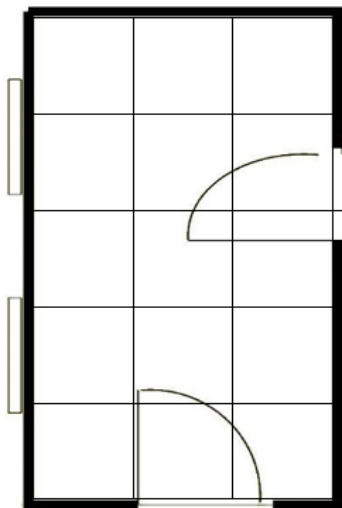
.....

Can you explain what is the **area**?

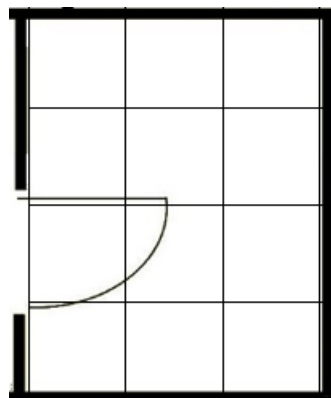
.....

.....

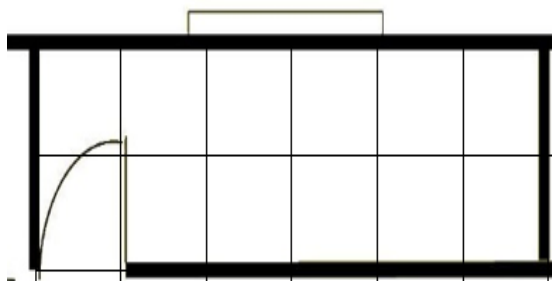
How many square in each room of the house?



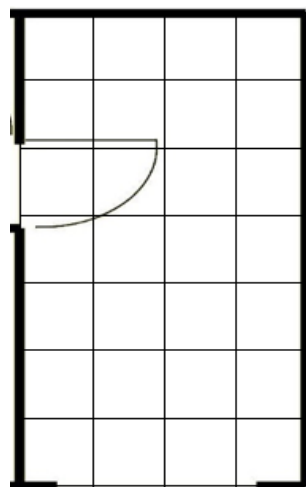
=



=



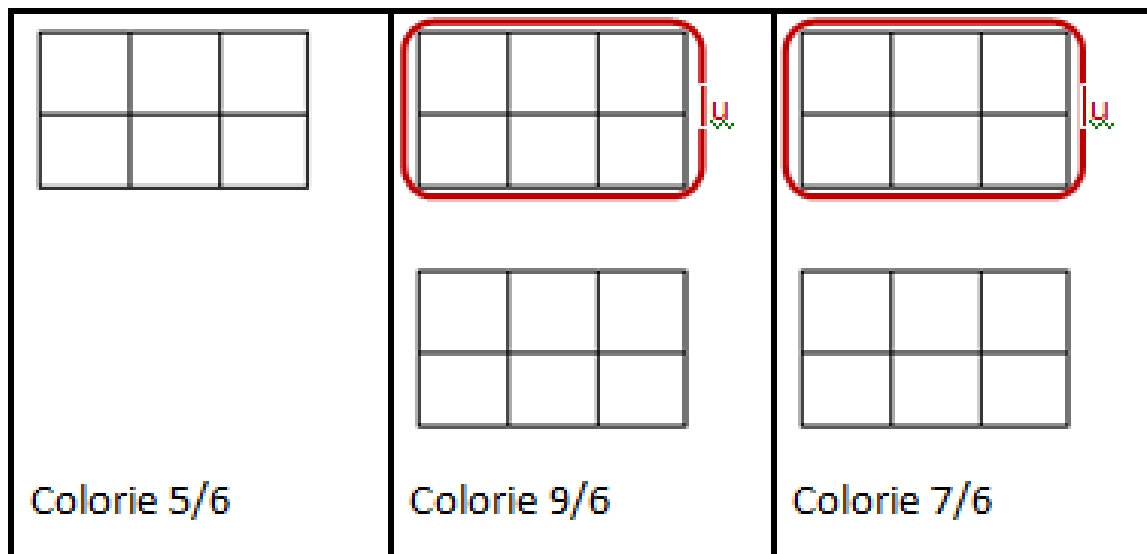
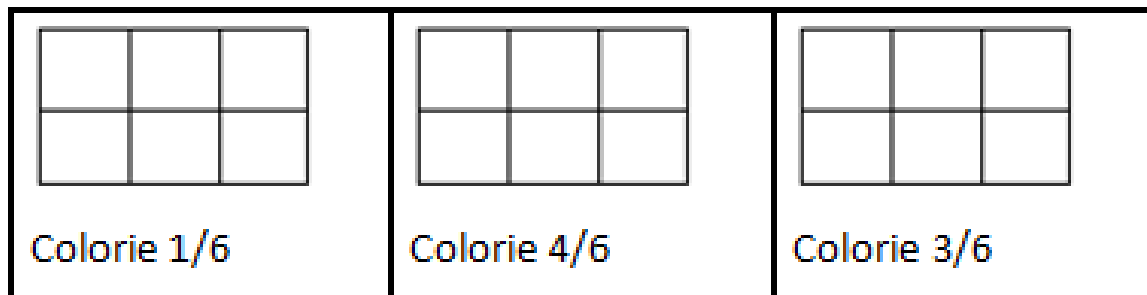
=



=

Fractions

Colour:



Wich one is the smallest? Wich one is the biggest?

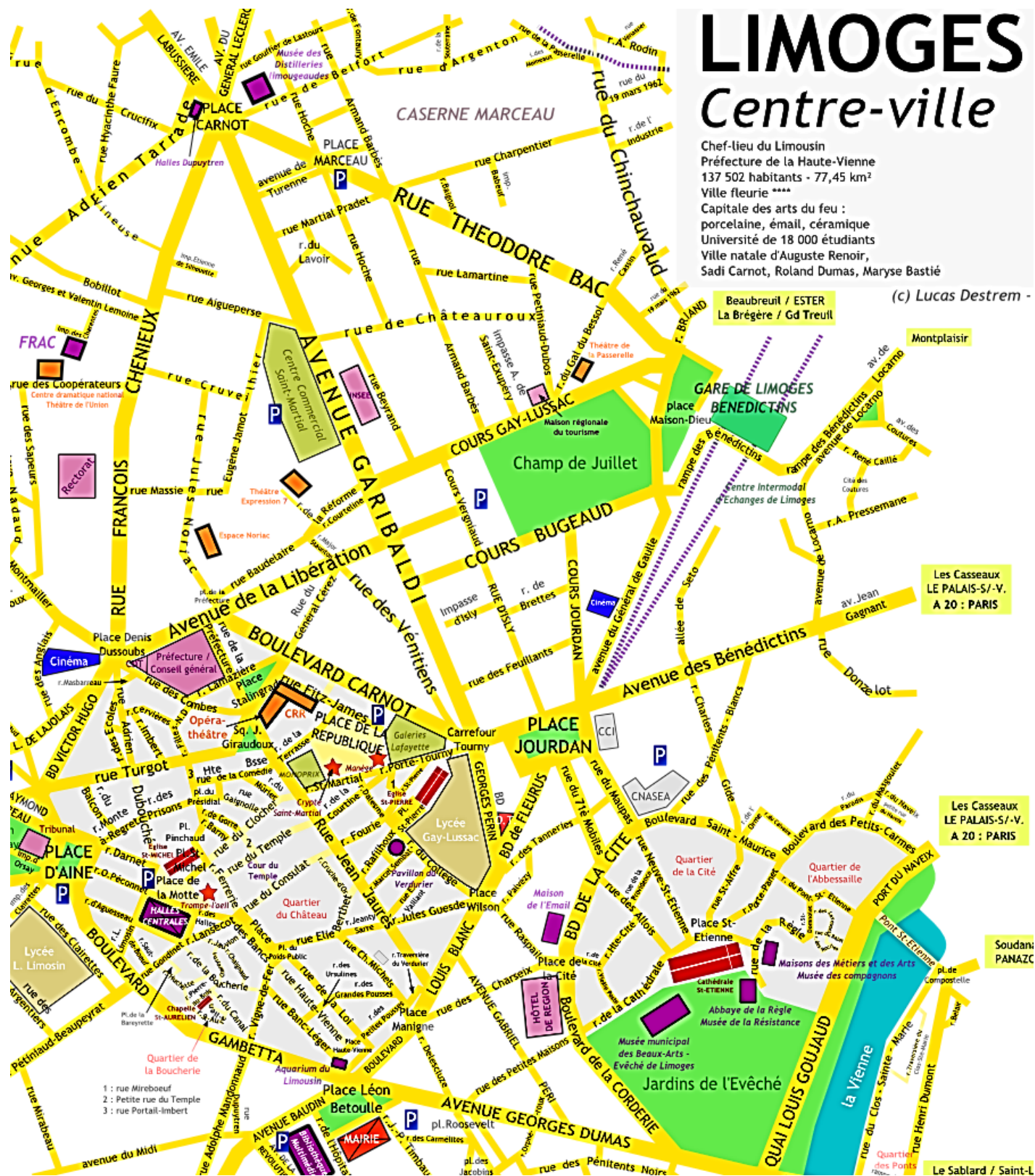
..... < < < < <

LIMOGES

Centre-ville

Chef-lieu du Limousin
Préfecture de la Haute-Vienne
137 502 habitants - 77,45 km²
Ville fleurie ****
Capitale des arts du feu :
porcelaine, émail, céramique
Université de 18 000 étudiants
Ville natale d'Auguste Renoir,
Sadi Carnot, Roland Dumas, Maryse Bastié

(c) Lucas Destrem -



Look at Limoges's plan:

Where is Jourdans' place?

Find a parking.

Colour 2 parallel streets.

Colour 2 perpendicular streets.

Draw in Red the road from the station to the Highschool.

Area

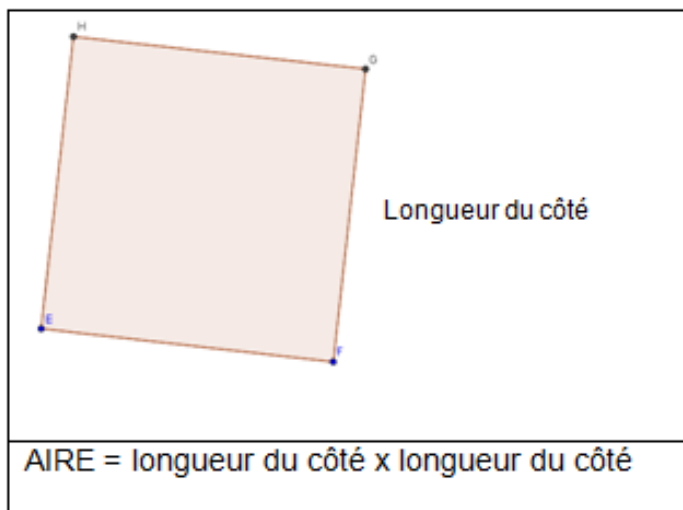
Comment faire ?

L'aire est la **mesure d'une surface** dans une unité d'aire (par exemple le carreau d'un quadrillage, le centimètre carré cm^2).

Des surfaces différentes peuvent avoir la même aire.



Formule :





Area / 1 /

Write the area from the **smallest** (1) to the **biggest** (3).



Area / 2 /

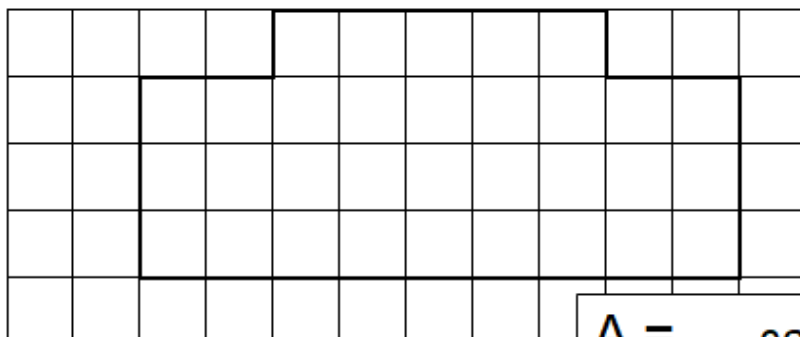
Write the area from the **smallest** (1) to the **biggest** (3).





Area / 3 /

Calcule l'aire de la figure :

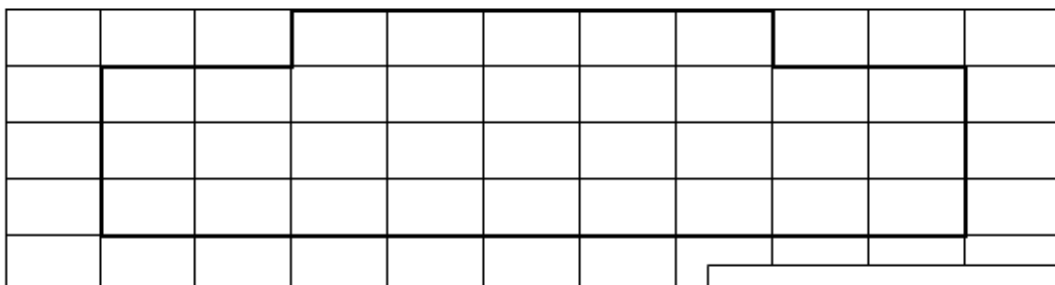


A = ... carreaux



Area / 4 /

Calcule l'aire de la figure :

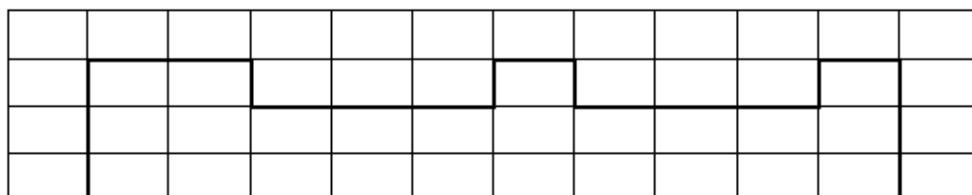


A = ... carreaux



Area / 5 /

Calcule l'aire de la figure :



A = ... carreaux

Today's number

Write in the tab:

millions			mille			unités		
C	D	U	C	D	U	C	D	U

Combien de milliers ?

3/ Encadrer le nombre à la dizaine près :

_____ < < _____



English problem



Tom had 114 baseball cards. He kept 10 and share the rest evenly among his 8 friends.

How many baseball cards did each friend get?

.....

* Kept = to keep = garder / share = partager / evenly = équitablement

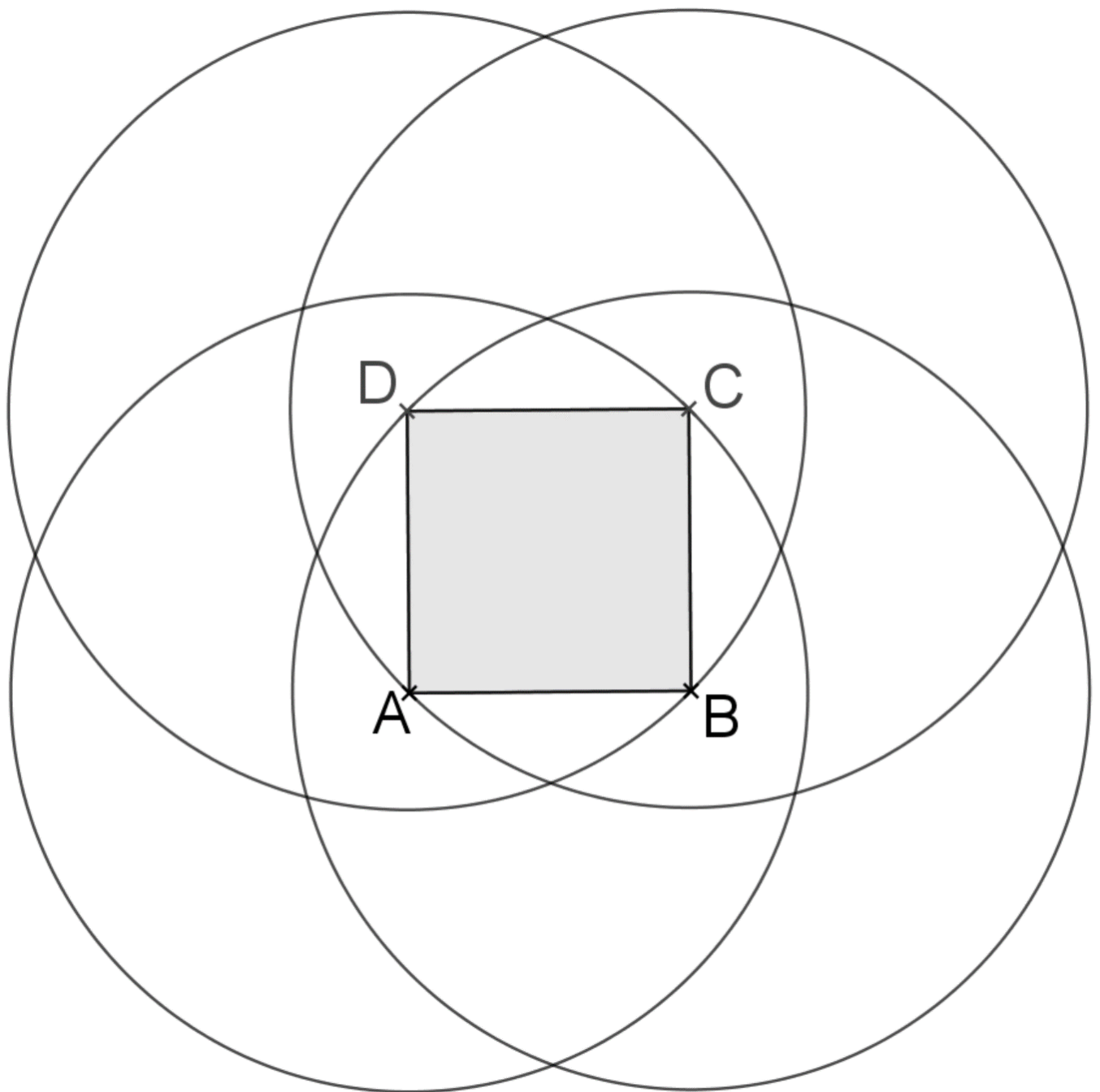
Ex: 129



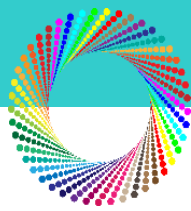
Circulo 7

M 14 CM1

On a white paper



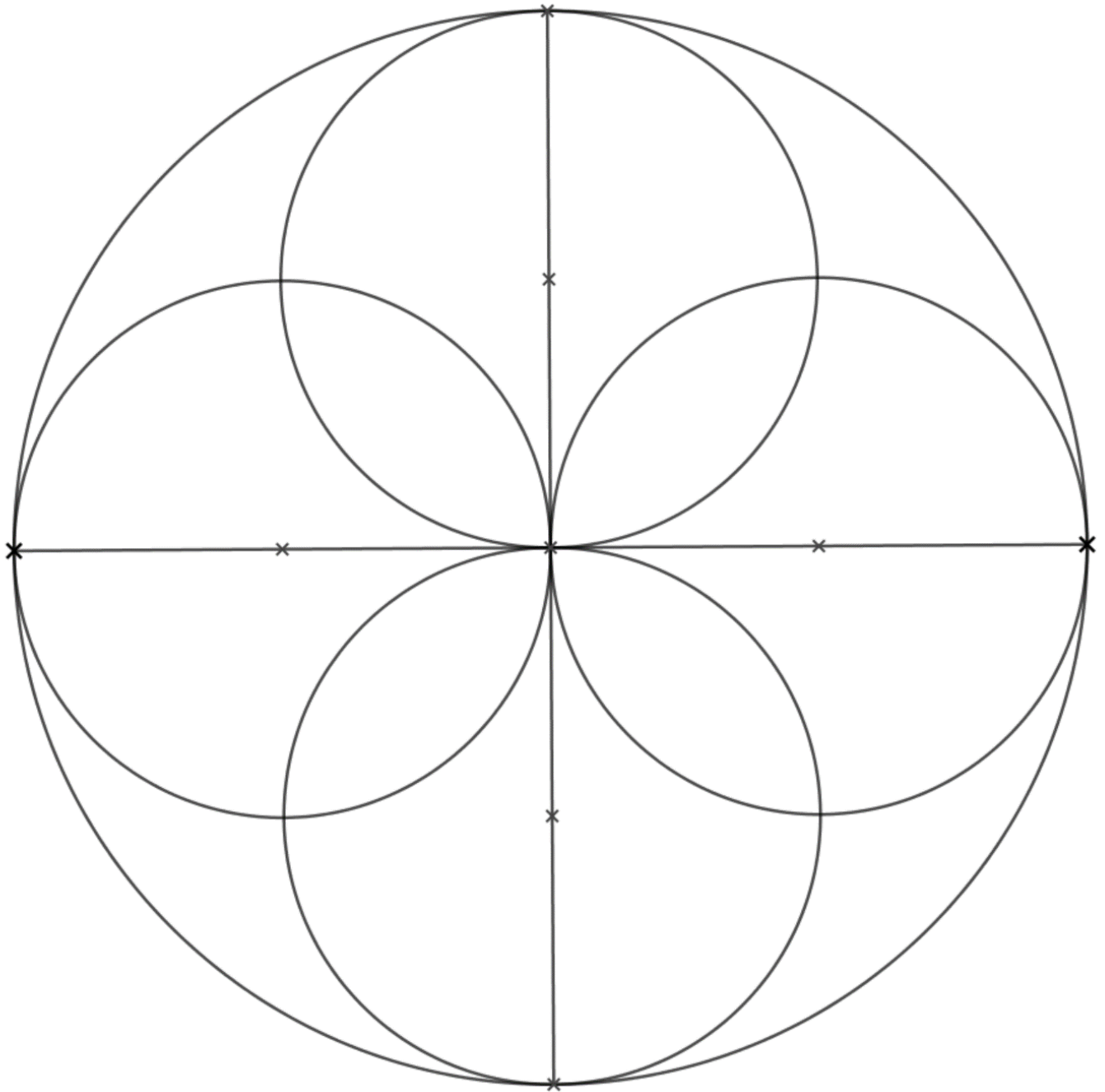
Ex: 130



M 14 CM1

Circulo 8

On a white paper



Today's number

Write in the tab:

millions			mille			unités		
C	D	U	C	D	U	C	D	U

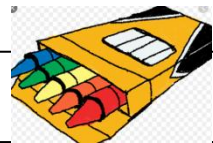
Combien de dizaines de mille ?

3/ Encadrer le nombre à l'unité de mille près :

_____ < < _____



English problem



A teacher bought 12 packets of crayons. 7 of the packets had 9 crayons and the other five packets had 10 crayons.

How many crayons did the teacher buy in all?

.....

As fast as you can...



CALCULUS

Triple de 15 : ...

Triple de 100 : ...

Triple de 25 : ...

Triple de 50 : ...

Triple de 30 : ...

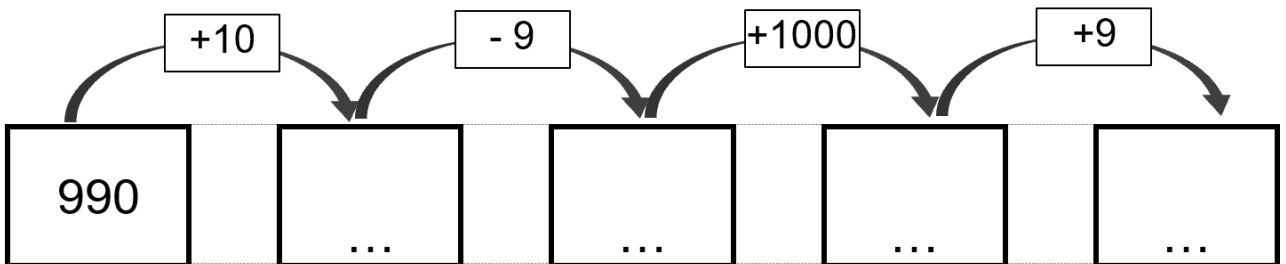
Triple de 300 : ...

Triple de 60 : ...

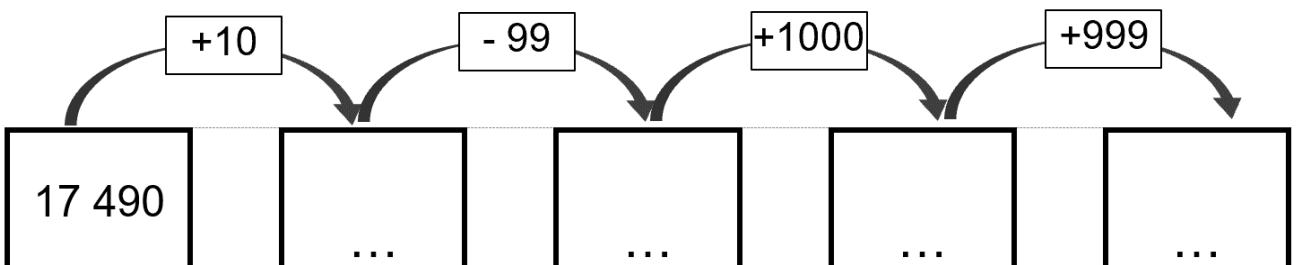
Triple de 1500 : ...



CALCULUS



CALCULUS



Today's number

Write in the tab:

millions			mille			unités		
C	D	U	C	D	U	C	D	U

Combien de dizaines de mille ?

3/ Encadrer le nombre à la centaine près :

_____ < < _____



English problem



Mr Smith baked 3 trays of 36 cookies. After they cooled, he divided the cookies evenly into 4 bags.

How many cookies did Mr Smith place in each bag?

.....
 * Tray = plateau / cooled = refroidi / evenly = équitablement /
 bag = sac / each = chacun.

As fast as you can...



CALCULUS

$$14 \times 2 = \dots$$

$$70 \times 2 = \dots$$

$$25 \times 2 = \dots$$

$$250 \times 2 = \dots$$

$$45 \times 2 = \dots$$

$$550 \times 2 = \dots$$

$$53 \times 2 = \dots$$

$$1500 \times 2 = \dots$$



CALCULUS

$$654 + 9 = \dots$$

$$764 - 9 = \dots$$

$$723 + 9 = \dots$$

$$949 - 9 = \dots$$

$$172 + 99 = \dots$$

$$613 - 99 = \dots$$

$$188 + 99 = \dots$$

$$1\,201 - 99 = \dots$$



CALCULUS

$$16 : 2 = \dots$$

$$44 : 2 = \dots$$

$$18 : 2 = \dots$$

$$66 : 2 = \dots$$

$$30 : 2 = \dots$$

$$100 : 2 = \dots$$

$$40 : 2 = \dots$$

$$500 : 2 = \dots$$

Today's number

Write in the tab:

millions			mille			unités		
C	D	U	C	D	U	C	D	U

Combien de dizaines de dizaines?

3/ Encadrer le nombre à l'unité de mille près :

_____ < < _____



English problem

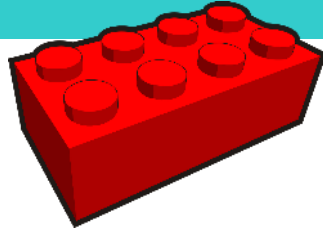


Mr Smith baked 4 trays of 24 cookies. After they cooled, he divided the cookies evenly into 3 bags.

How many cookies did Mr Smith place in each bag?

.....
 * Tray = plateau / cooled = refroidi / evenly = équitablement /
 bag = sac / each = chacun.

If this is one unit:
What is ??



La brique :



$\frac{\dots}{\dots}$



$\frac{\dots}{\dots}$



$\frac{\dots}{\dots}$

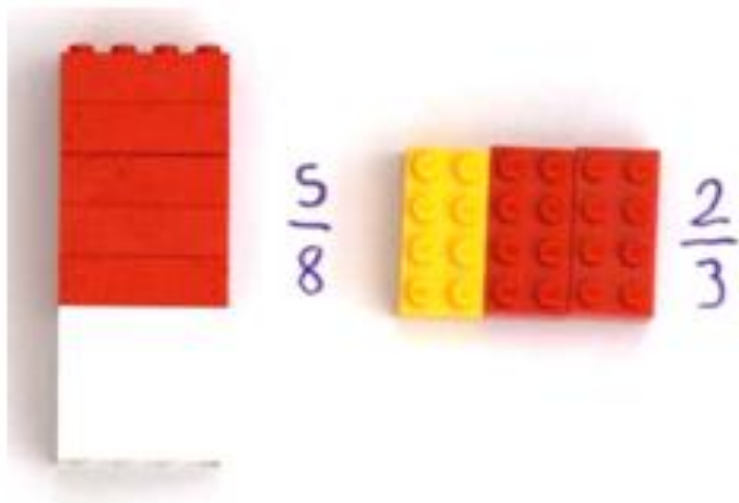


$\frac{\dots}{\dots}$



$\frac{\dots}{\dots}$

Look what a student did.



A ton tour d'en inventer 4 du même type :

As fast as you can...**CALCULUS 11**

$16 \times 2 = \dots$

$71 \times 2 = \dots$

$51 \times 2 = \dots$

$300 \times 2 = \dots$

$44 \times 2 = \dots$

$525 \times 2 = \dots$

$54 \times 2 = \dots$

$1400 \times 2 = \dots$

**CALCULUS 12**

$20 : 2 = \dots$

$68 : 2 = \dots$

$32 : 2 = \dots$

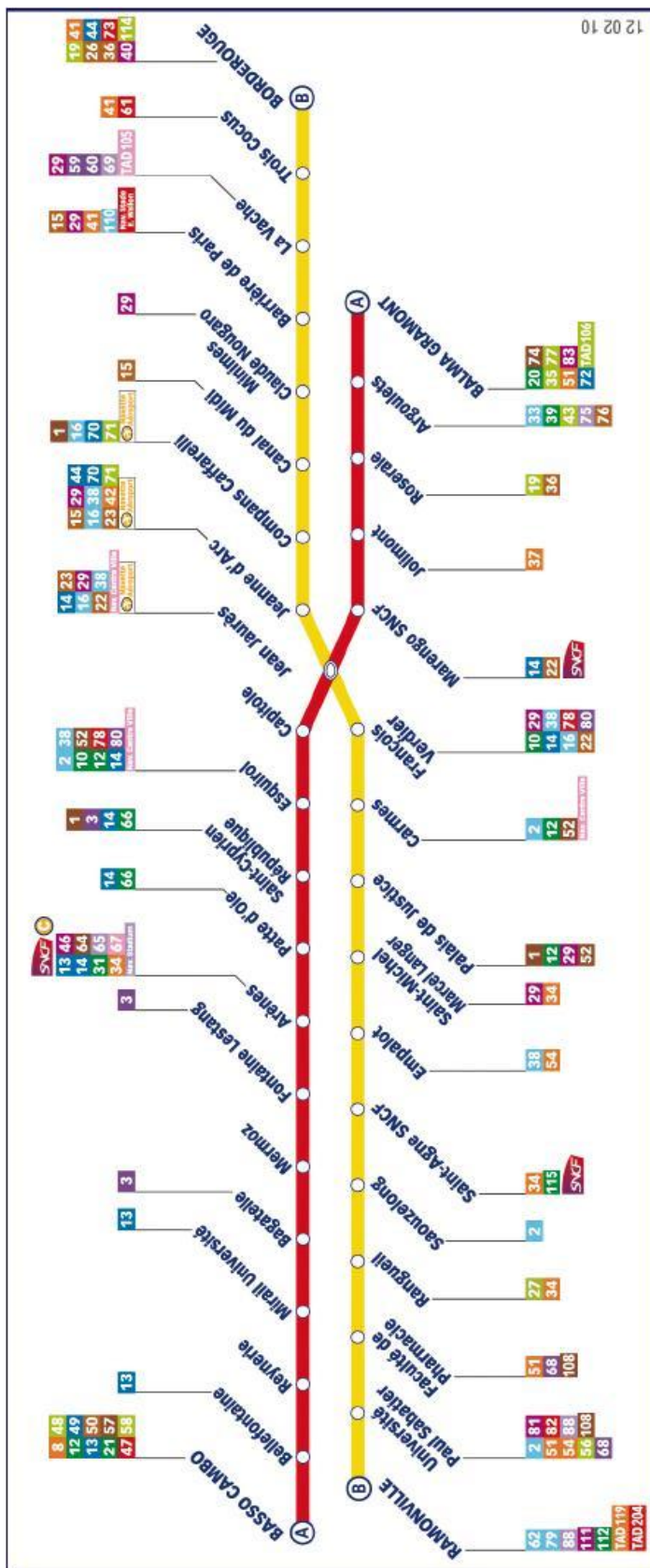
$80 : 2 = \dots$

$44 : 2 = \dots$

$120 : 2 = \dots$

$50 : 2 = \dots$

$540 : 2 = \dots$



Toulouse Tube.

1/ Quelle est la ligne de métro qui t'emmène de « Bellefontaine » à « Jolimont » ?

.....

.....

2/ Comment dois-tu faire pour aller de « BORDEROUGE » à « Mermoz » ?

.....

.....

.....

.....

CHRONOMATH 7



1 $8 + 9 = \dots\dots\dots$

11 $12 \times 2 = \dots\dots\dots$

21 $22 : 2 = \dots\dots\dots$

2 $7 + 8 = \dots\dots\dots$

12 $15 \times 2 = \dots\dots\dots$

22 $32 : 2 = \dots\dots\dots$

3 $9 + 6 = \dots\dots\dots$

13 $30 \times 2 = \dots\dots\dots$

23 $16 : 2 = \dots\dots\dots$

4 $7 + 9 = \dots\dots\dots$

14 $25 \times 2 = \dots\dots\dots$

24 $30 : 2 = \dots\dots\dots$

5 $9 + 9 = \dots\dots\dots$

15 $60 \times 2 = \dots\dots\dots$

25 $44 : 2 = \dots\dots\dots$

6 $8 + 8 = \dots\dots\dots$

16 $70 \times 2 = \dots\dots\dots$

26 $60 : 2 = \dots\dots\dots$

7 $7 + 7 = \dots\dots\dots$

17 $90 \times 2 = \dots\dots\dots$

27 $70 : 2 = \dots\dots\dots$

8 $17 + 8 = \dots\dots\dots$

18 $100 \times 2 = \dots\dots\dots$

28 $86 : 2 = \dots\dots\dots$

9 $18 + 9 = \dots\dots\dots$

19 $150 \times 2 = \dots\dots\dots$

29 $120 : 2 = \dots\dots\dots$

10 $18 + 19 = \dots\dots\dots$

20 $250 \times 2 = \dots\dots\dots$

30 $90 : 2 = \dots\dots\dots$

Score en 5 min / 30

Score total..... / 30

**Problem 39**

Mamie a 95 € à dépenser pour offrir des chocolats à ses petits-enfants. Elle veut dépenser 5 € par chocolat.

Combien a-t-elle de petits-enfants ?

.....

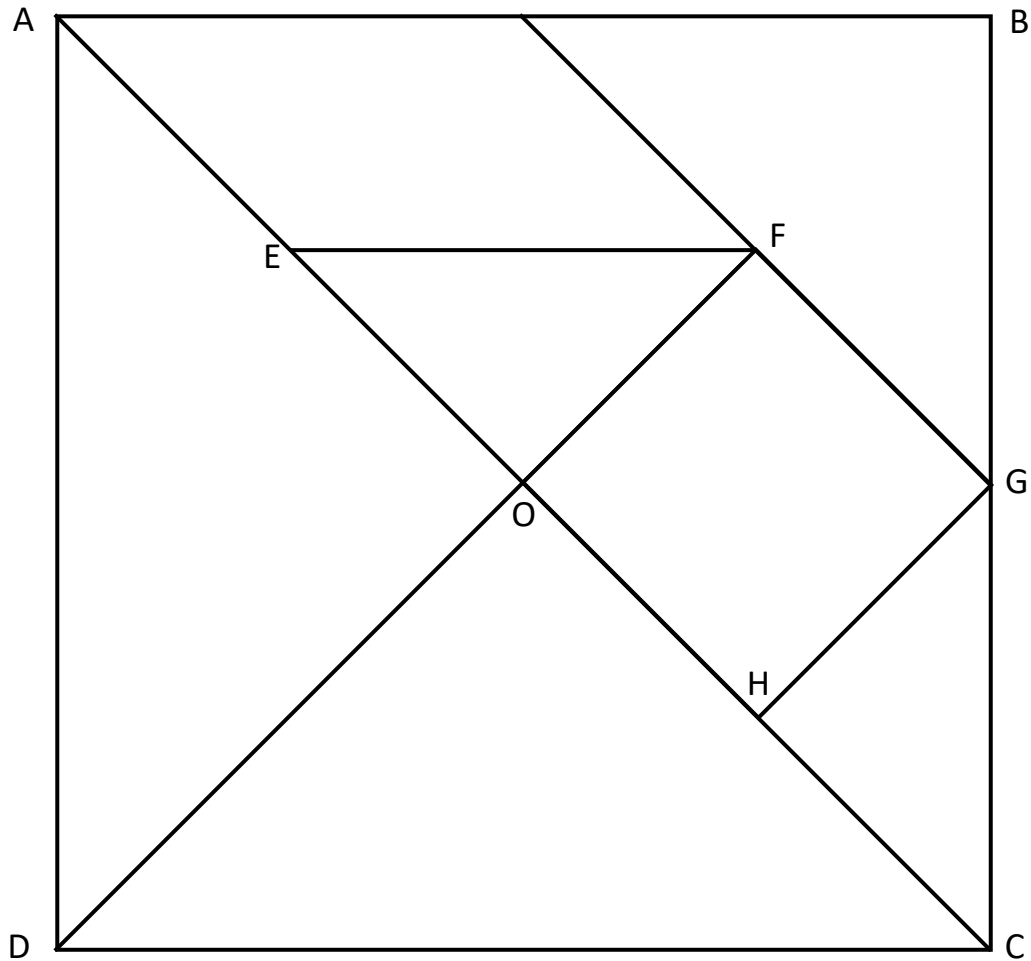
**Problem 40**

Un camion transporte 35 palettes qui pèsent ensemble 13 125 kilogrammes.

Combien pèse une palette ?

.....

Angles



In red, at least 4 right angles.

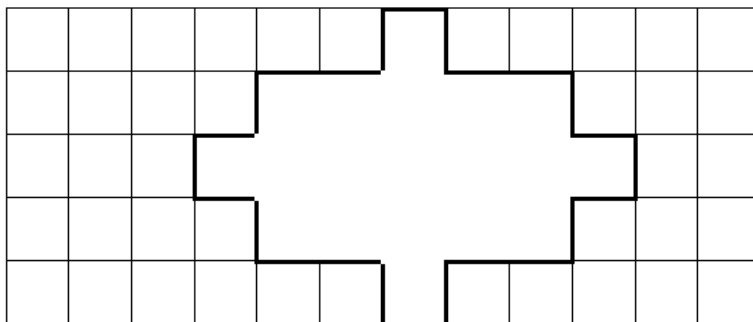
In green, at least 4 acute angles.

In blue, at least 4 obtuse angles.



Area / 6 /

Calcule l'aire de la figure :

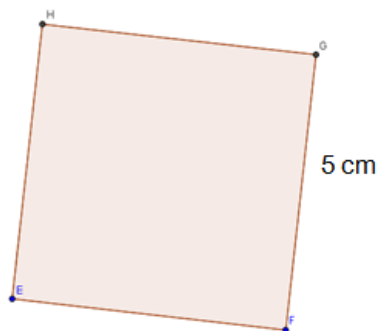


A = ... carreaux



Area / 7 /

Calcule l'aire du carré :

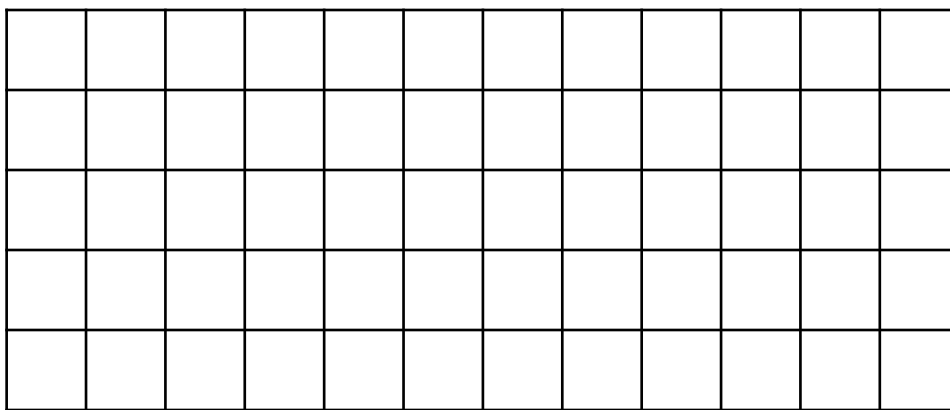


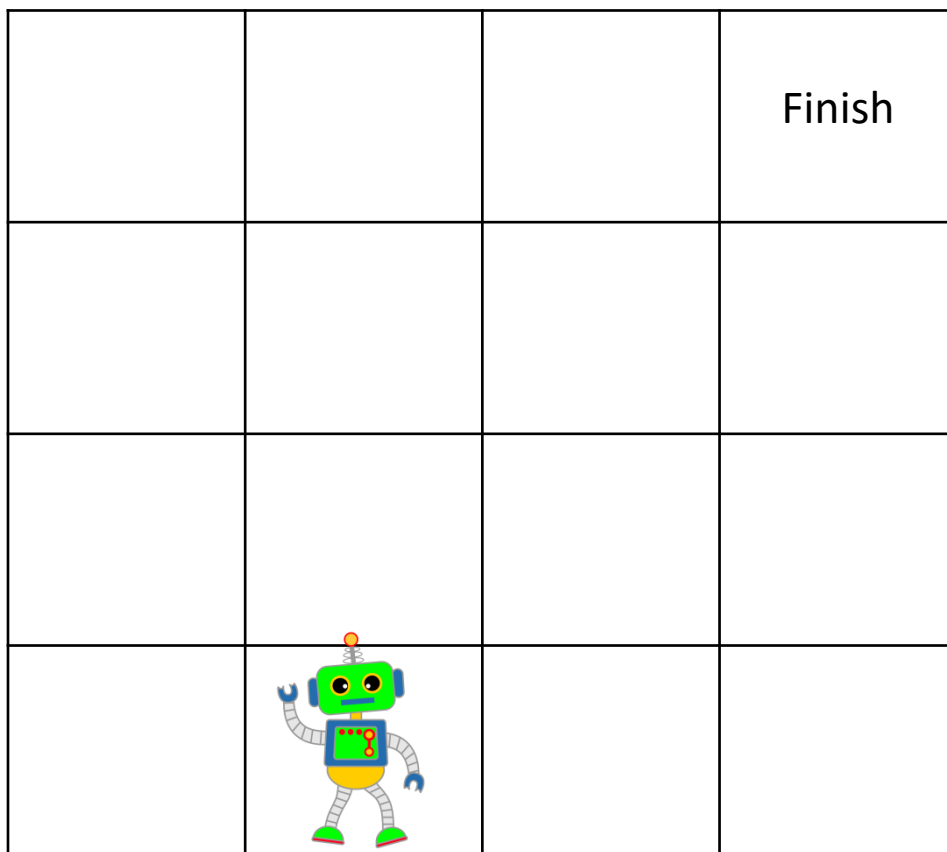
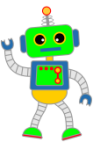
A = ... cm²



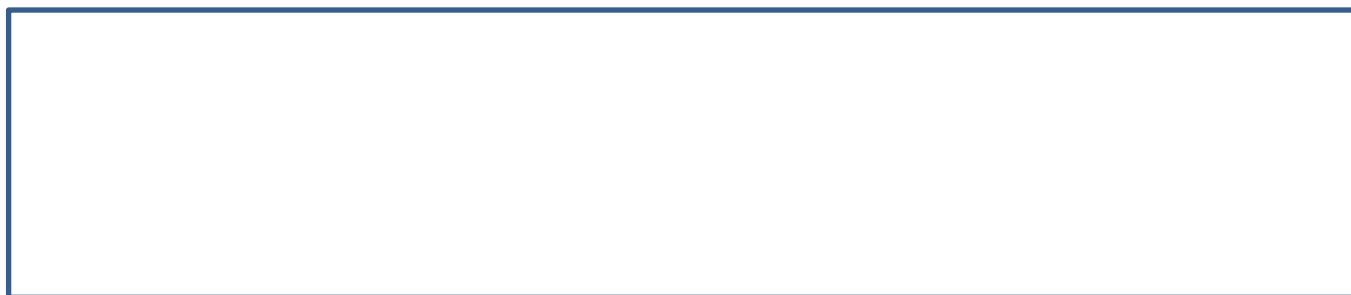
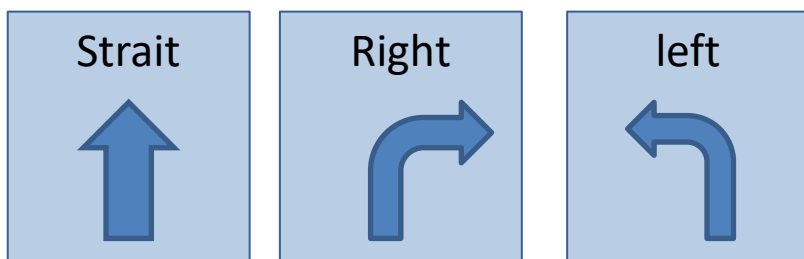
Area / 8 /

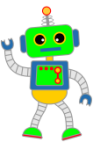
Construis un carré dont l'aire mesure **16** carreaux.





Voici les cartes pour faire avancer le robot. Dessine les cartes pour qu'il arrive au « finish ».



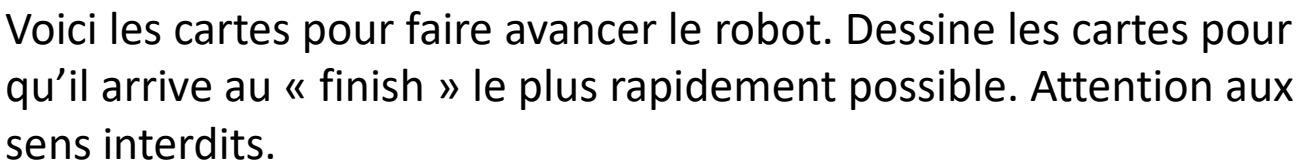


A cartoon robot character with a green head, blue body, and yellow legs, waving its right hand. It has large black eyes, a small blue mouth, and a single antenna on its head. The robot is standing on a white background.

left



--	--	--	--	--	--	--	--



--	--	--	--	--	--	--	--

⇒ Colorie tous les **multiples de 2** parmi les nombres suivants :

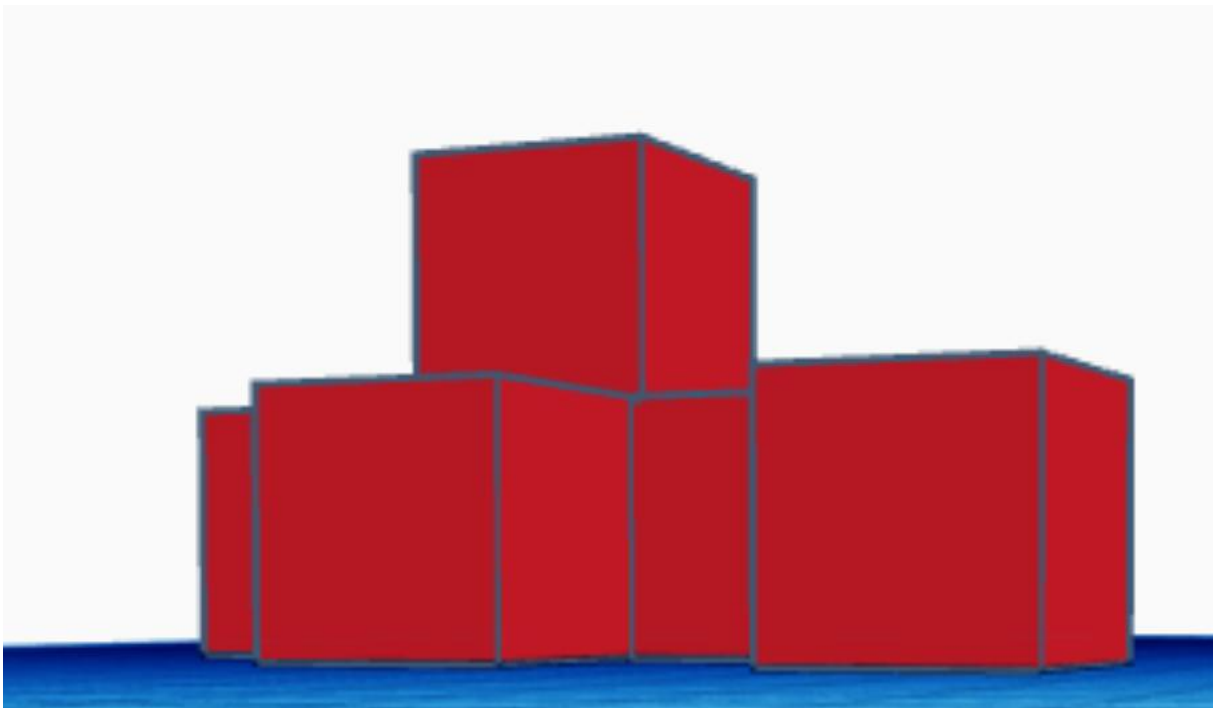
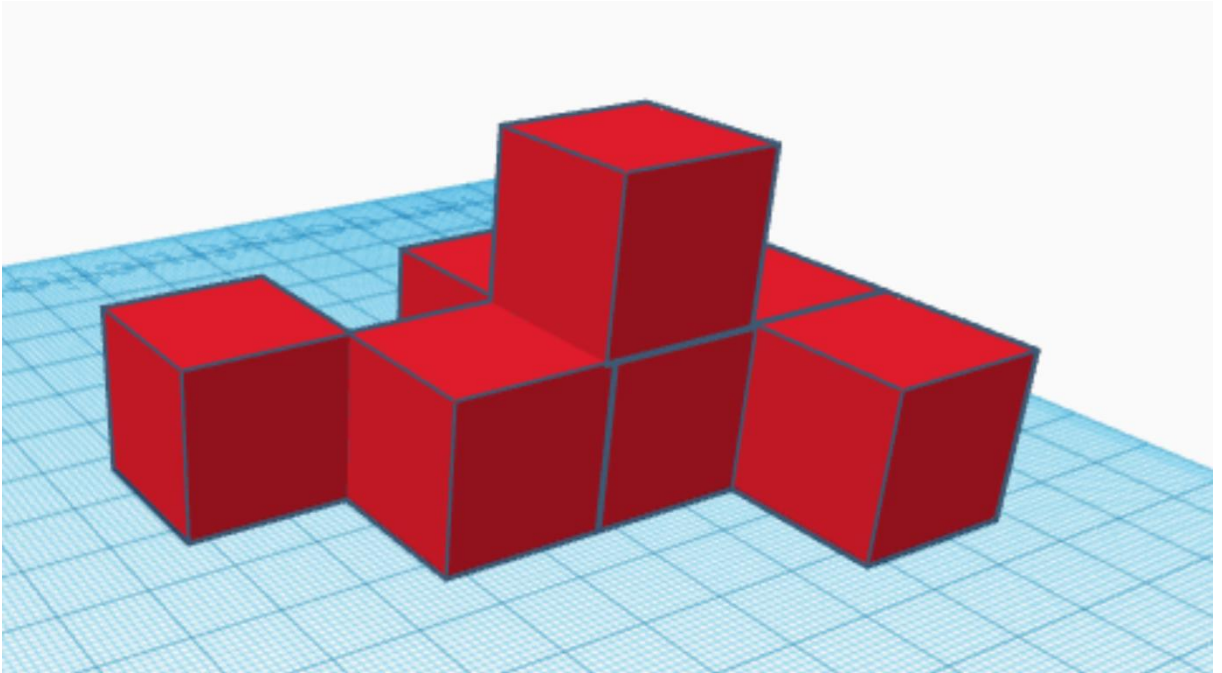
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

Regarde tous les multiples que tu as entourés. Que remarques-tu de particulier ?

⇒ Colorie tous les **multiples de 5** parmi les nombres suivants :

3	5	7	10	14	15	19	20	21	24
30	36	38	40	44	48	53	55	58	60
65	67	68	69	70	75	84	90	100	120

Regarde tous les multiples que tu as entourés. Que remarques-tu de particulier ?



**Problem 41**

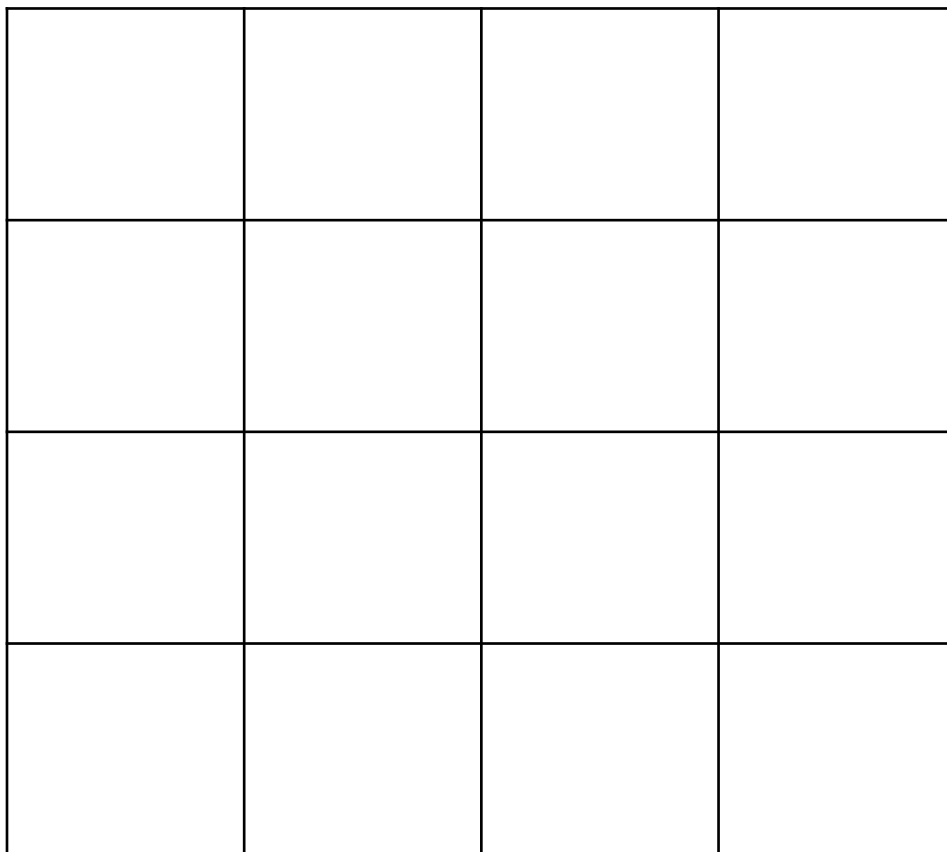
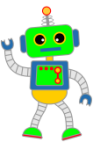
Un commerçant a reçu 5 810 boîtes de conserve. Il se rend compte qu'il s'est trompé dans sa commande. Il en a demandé 7 fois plus que prévu. **Combien de conserves voulait-il vraiment commander ?**

.....

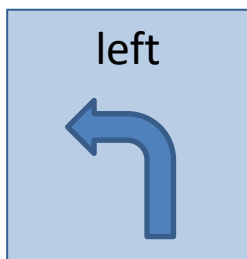
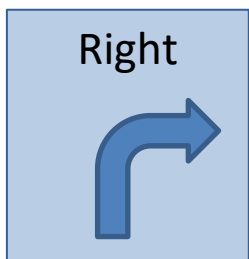
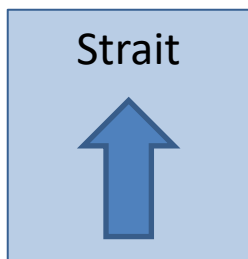
**Problem 42**

Combien de nombres de 3 chiffres différents peuvent s'écrire avec les chiffres 1, 3 et 7 ?

.....

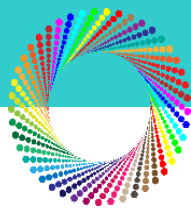


Voici les cartes pour faire avancer le robot. Place ton robot et l'arrivée. Propose un petit programme.



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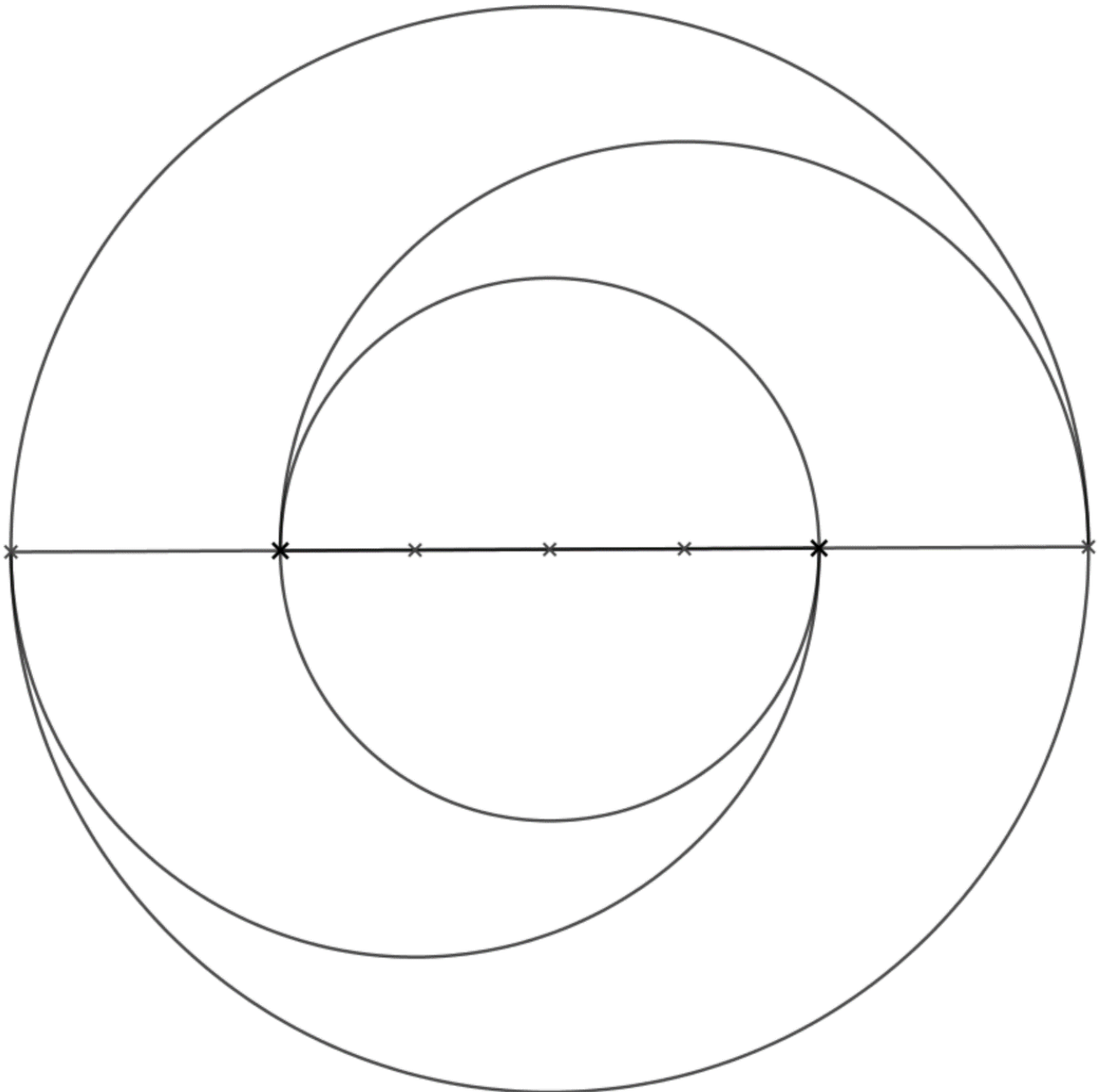
Ex: 151



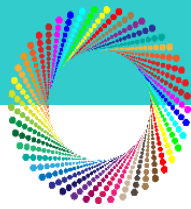
M 15 CM1

Circulo 9

On a white paper



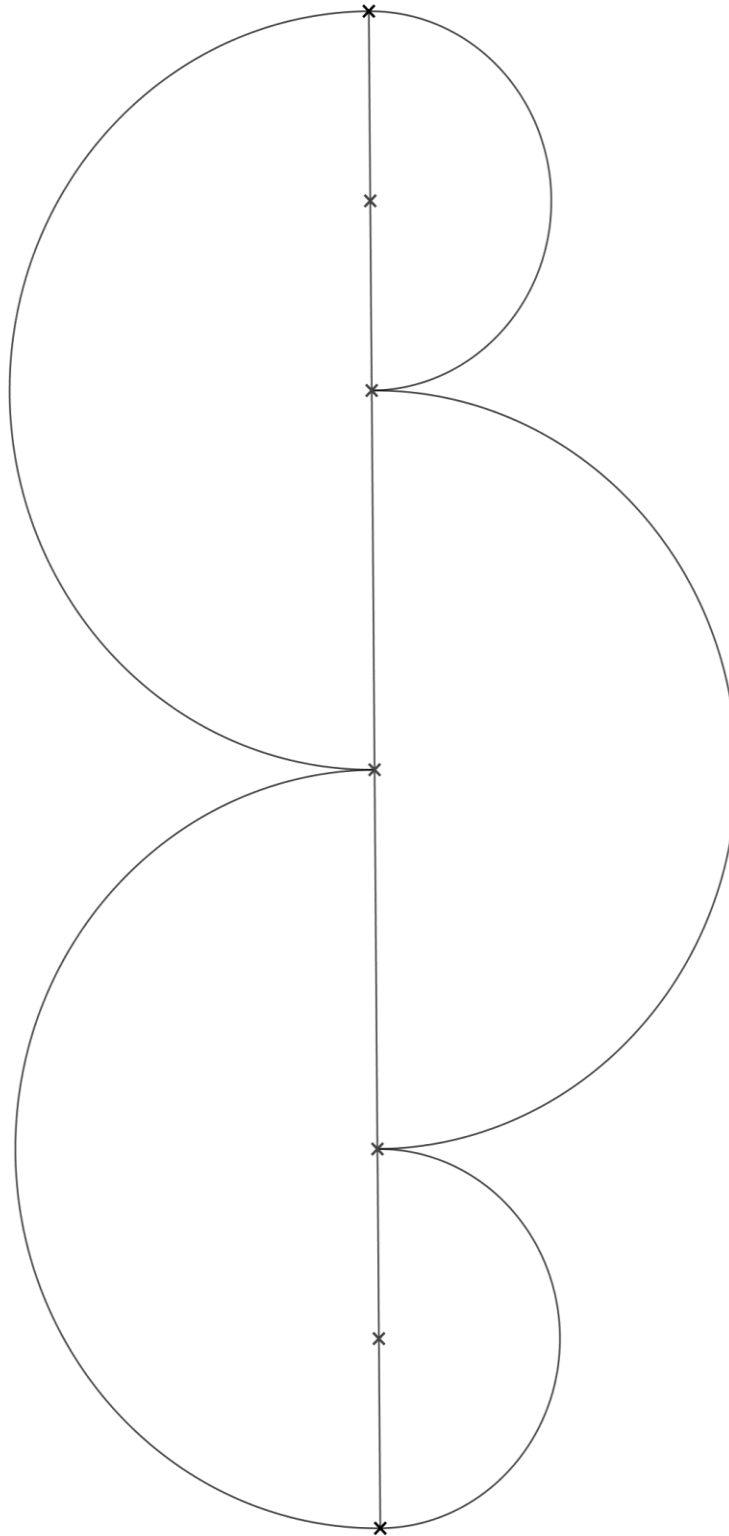
Ex: 152

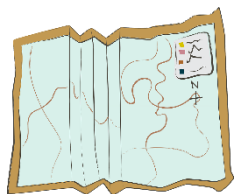


Circulo 10

M 15 CM1

On a white paper



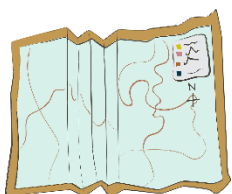


Treasure town 11

Red
pencil

1. Trace le segment [JF].
2. Trace la droite parallèle au segment [JF] qui passe par la ville « LE MANS ».
3. Cette droite traverse ou passe très près d'une ville. C'est là que se trouve le trésor.

Quelle est cette ville ?

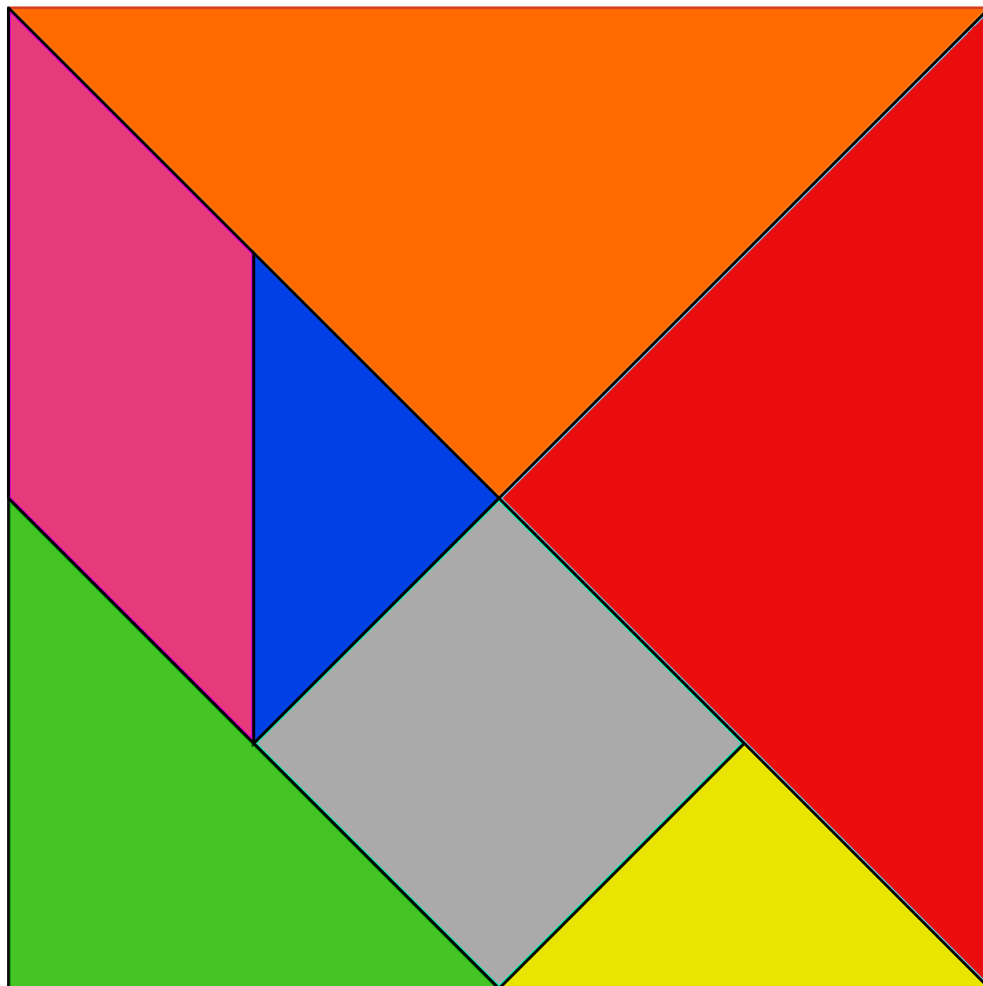


Treasure town 12

Invente un programme de construction qui donne « Angers » comme ville du trésor.

- 1.
- 2.

Tangram



Petit triangle

1
—
...

carré

—
...

Grand triangle

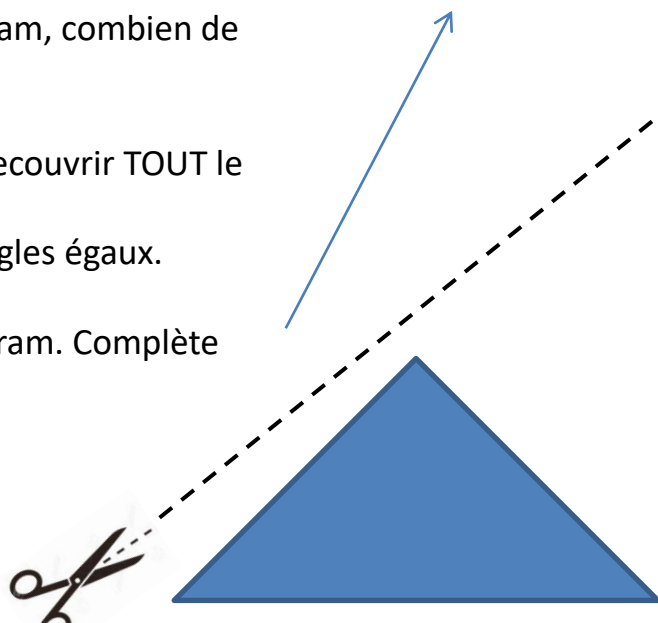
—
...

1/ Cherche et écris dans chaque figure du tangram, combien de fois le petit triangle apparaît.

2/ Compte combien de ce triangle il faut pour recouvrir TOUT le tangram :

Donc le tangram peut être séparés en triangles égaux.

3/ Associe une fraction à chaque partie du tangram. Complète les fractions:



Triangle

RALLYE MATHS: Manche 3

Points:

Exercice 1 : numération

L'année 2009 est comme l'année 2018 une année de « somme 11 » parce qu'on obtient 11 si on additionne chaque chiffre :

$$2+0+0+9 = 11$$

$$2+0+1+8 = 11$$

Quelle sera la prochaine année de somme 11 ?



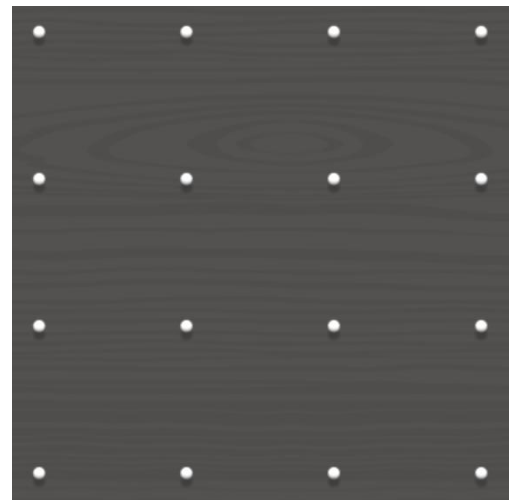
.....

Exercice 2 : géométrie

Kylian a une planche à clous. Il doit reproduire des carrés en utilisant des élastiques :



Fabrique le maximum de carrés sur la planche à 16 clous.



.....

RALLYE MATHS: Manche 3

Points:

Exercice 3 : mesures

Pierre et Ahmed ont fait un pari. Ils doivent rejoindre Paris en partant du Havre. Ils partent à la même heure.



Pierre prend le train qui part à 6h27 et l'arrivée est prévue à 8h42.



Ahmed doit faire 210 km en voiture. Il roule à 90 km/h de moyenne.

Qui va arriver en premier ?

.....

Exercice 4 : logique

$$\text{robot} + \text{robot} + \text{robot} = 75 \text{ € } 75$$

$$\text{robot} + \text{livre} + \text{livre} = 63 \text{ € } 25$$

$$\text{robot} + \text{livre} + \text{ballon} = 52 \text{ € } 75$$

Avec les informations ci-dessus, trouve le prix de chaque jouet :



= ... €



= ... €



= ... €

.....

.....

.....

.....

.....

CHRONOMATH 8



1 $2 \times 2 = \dots\dots\dots$

11 $21 : 7 = \dots\dots\dots$

21 $1 + \frac{1}{10} = \dots\dots\dots$

2 $3 \times 3 = \dots\dots\dots$

12 $36 : 4 = \dots\dots\dots$

22 $1 + \frac{5}{10} = \dots\dots\dots$

3 $4 \times 4 = \dots\dots\dots$

13 $14 : 2 = \dots\dots\dots$

23 $1 + \frac{9}{10} = \dots\dots\dots$

4 $5 \times 5 = \dots\dots\dots$

14 $35 : 5 = \dots\dots\dots$

24 $2 + \frac{7}{10} = \dots\dots\dots$

5 $6 \times 6 = \dots\dots\dots$

15 $24 : 8 = \dots\dots\dots$

25 $3 + \frac{5}{10} = \dots\dots\dots$

6 $7 \times 6 = \dots\dots\dots$

16 $17 + 19 = \dots\dots\dots$

26 $5 + \frac{6}{10} = \dots\dots\dots$

7 $8 \times 6 = \dots\dots\dots$

17 $18 + 19 = \dots\dots\dots$

27 $7 + \frac{2}{10} = \dots\dots\dots$

8 $9 \times 5 = \dots\dots\dots$

18 $27 + 16 = \dots\dots\dots$

28 $15 + \frac{5}{10} = \dots\dots\dots$

9 $6 \times 9 = \dots\dots\dots$

19 $28 + 25 = \dots\dots\dots$

29 $1 + 0,6 = \dots\dots\dots$

10 $9 \times 9 = \dots\dots\dots$

20 $34 + 17 = \dots\dots\dots$

30 $2 + 0,8 = \dots\dots\dots$

Score en 5 min / 30

Score total..... / 30