

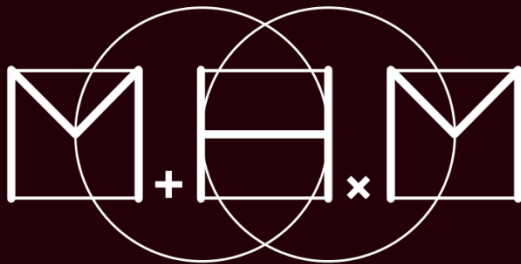
Prénom :

D'après Méthode Heuristique Maths CE1

MHM CE1

Cahier d'exercices n°6

Modules 19 à 21



Méthode
Heuristique
Mathématiques

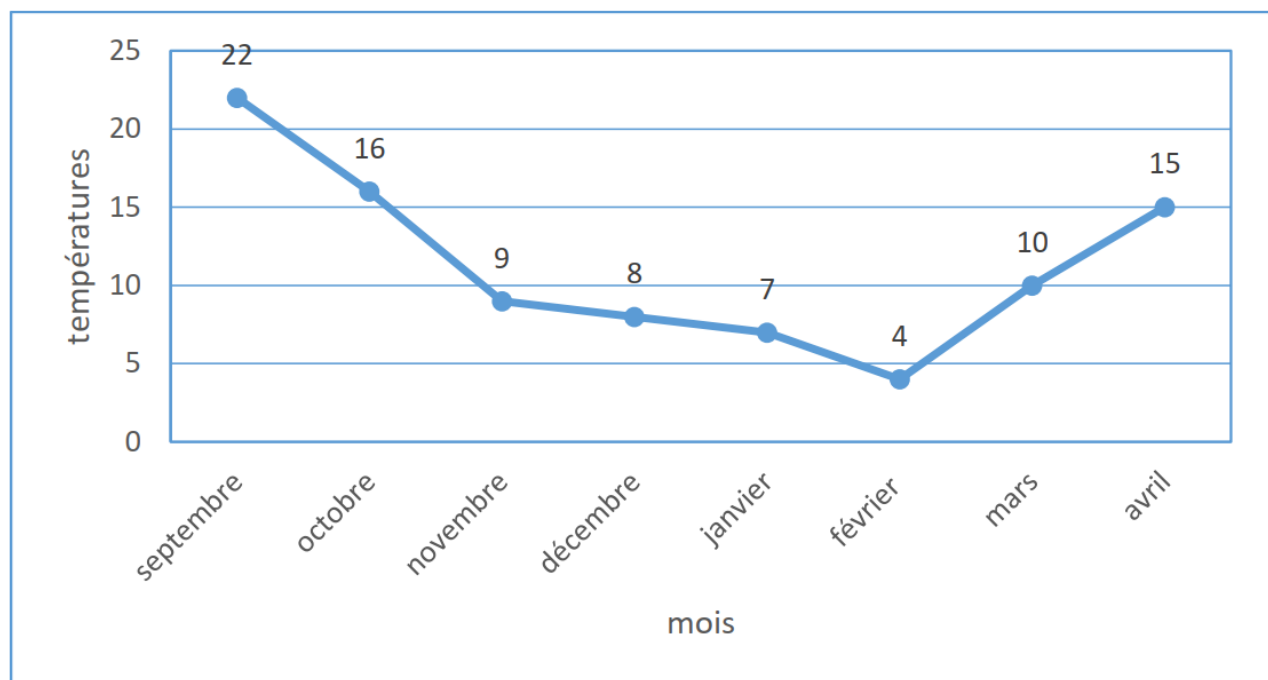
CE1



Module 19 – Séance 2**Les températures.**

Dans la classe, les élèves ont noté la température la plus chaude observée le matin à la récréation pour chaque mois.

Ils ont écrit la température sur un graphique :

**Réponds aux questions :**

- Quelle température faisait-il en décembre ?

- Quelle température faisait-il en février ?

- Quelle température faisait-il en avril ?

Module 19 – Séance 2

Soustraction SANS Retenue (A)

Nom: _____

Date: _____

Calculez chaque différence.

$$\begin{array}{r} 61 \\ - 30 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ - 80 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ - 49 \\ \hline \end{array}$$

$$\begin{array}{r} 59 \\ - 33 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ - 24 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ - 33 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ - 62 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ - 22 \\ \hline \end{array}$$

$$\begin{array}{r} 93 \\ - 21 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ - 24 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ - 35 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ - 16 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ - 35 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ - 32 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ - 65 \\ \hline \end{array}$$

$$\begin{array}{r} 99 \\ - 31 \\ \hline \end{array}$$

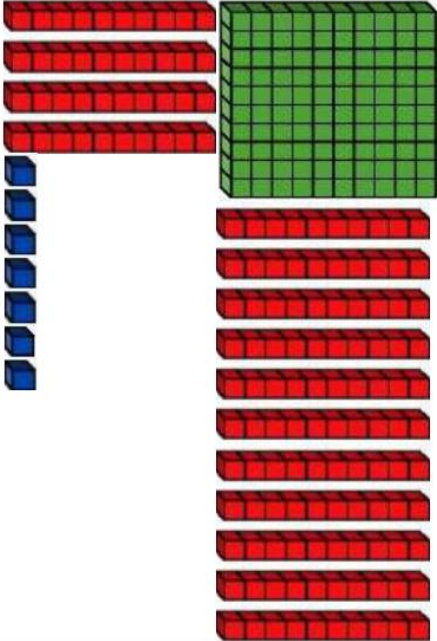
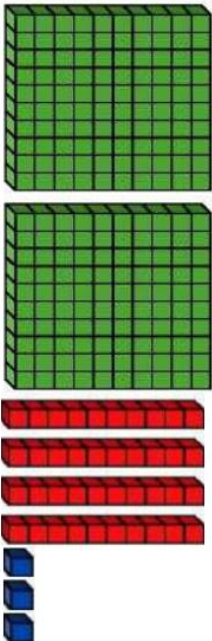
$$\begin{array}{r} 46 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ - 20 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ - 69 \\ \hline \end{array}$$

$$\begin{array}{r} 59 \\ - 28 \\ \hline \end{array}$$

Module 19 – Séance 4

			
			
	Quel est ce nombre ?	Combien y a-t-il de dizaines ?	Ecris-le en lettres

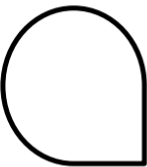


La course des tables

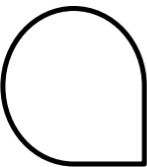
Tables de 2, 3 et 5



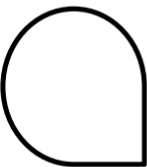
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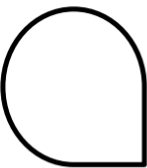
3×7



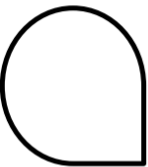
2×3



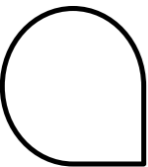
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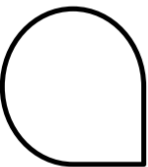
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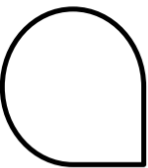
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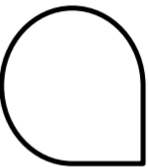
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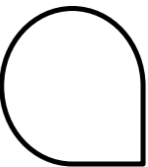
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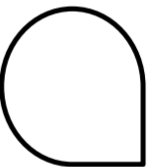
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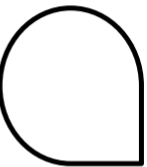
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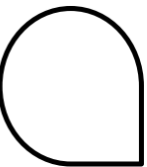
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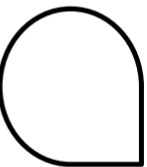
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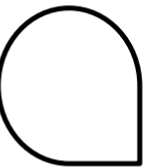
3×4



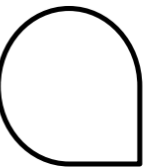
3×3



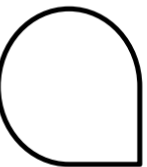
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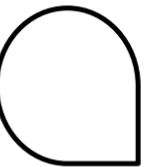
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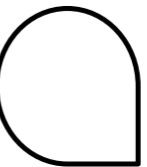
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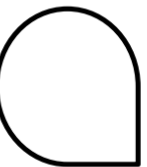
2×4



5×4

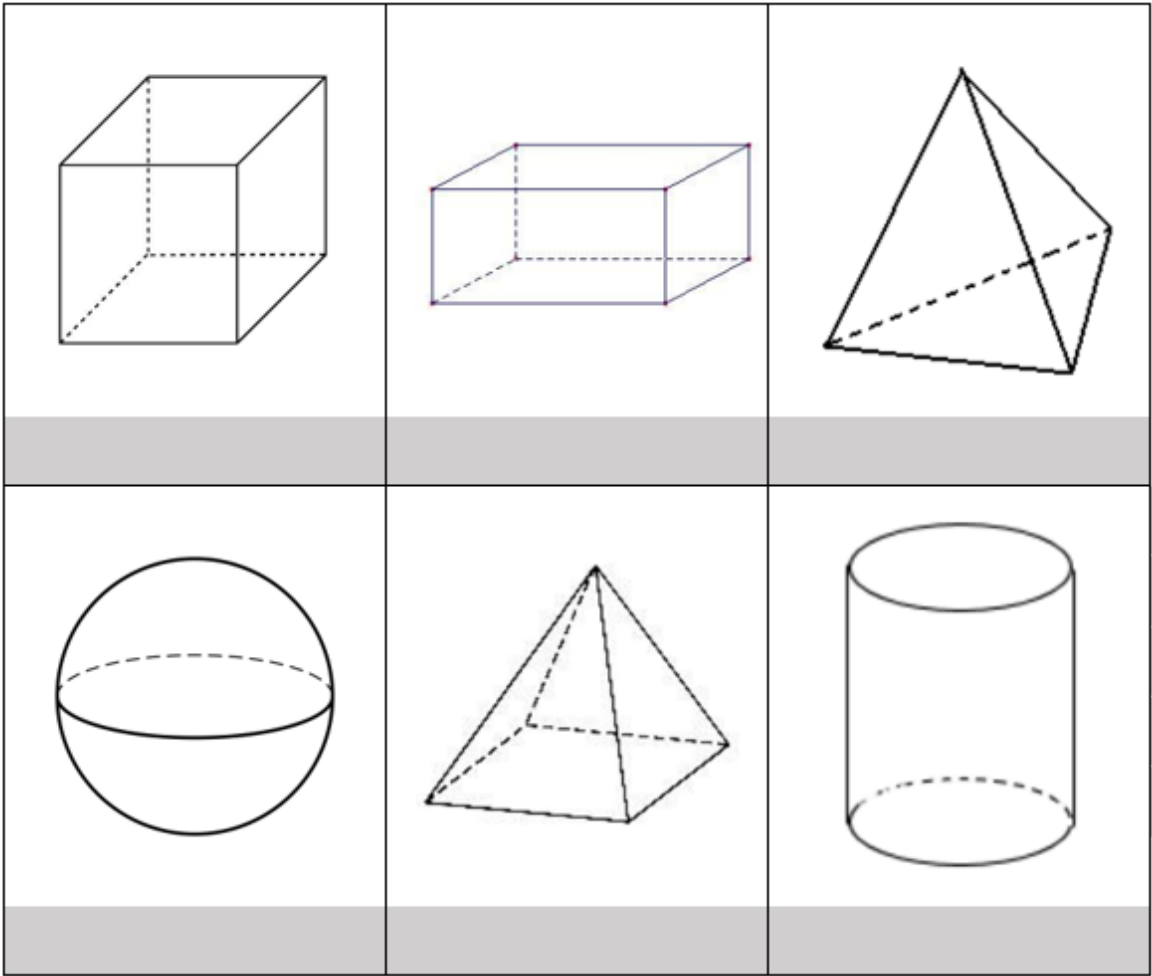


5×5



Mon score

Module 19 – Séance 7










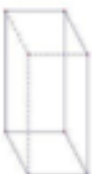




- Sphère
- Cylindre
- Pyramide
- Pyramide
- Cube
- Pavé







Module 19 – Séance 7

Reconnaître les solides

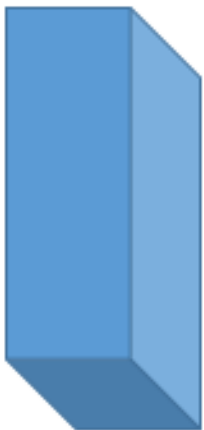
1/ Relie les objets au solide qui leur ressemble :

						
•	•	•	•	•	•	•
						

2 / Relie les objets à une de leurs empreintes

		
•	•	•
		

3/ Complète :



Nombres de faces : _____

Nombre de sommets : _____

Nombre d'arêtes : _____

Module 20 – Séance 1

Problème :

Dans un zoo, les visiteurs peuvent faire des dons (donner de l'argent) pour aider leur espèce préférée. Voici le tableau qui compte l'argent récolté pendant plusieurs mois :

	Tigres	Koalas	Pandas	Tortues
Juin	156 €	301 €	166 €	84 €
Juillet	230 €	188 €	203 €	231 €
Aout	195 €	213 €	255 €	301 €
Septembre	93 €	50 €	35 €	125 €

1/ Quel animal a récolté 255 € en aout ?

.....

2/ Combien les koalas ont récolté en juillet ?

.....

3/ Quel animal a récolté le plus en juin ?

.....

4/ Au total, combien ont récolté chaque animal ?

Tigre :

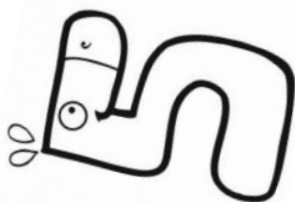
Koala :

Panda :

Tortue :

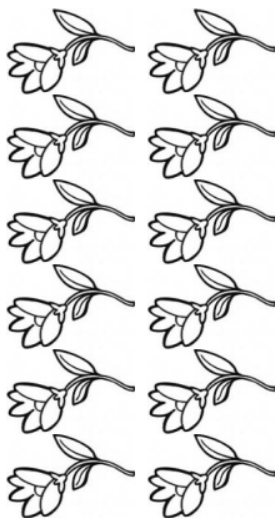
Module 20 – Séance 1

Le révisé



Exercice n° 1

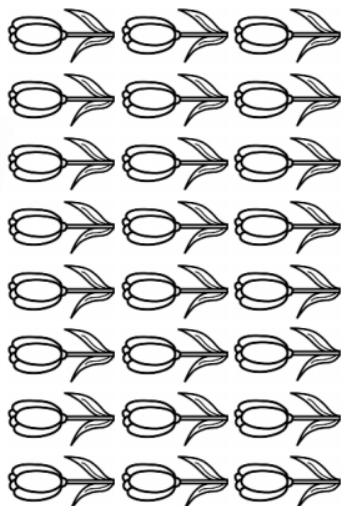
Complète les égalités.



$$6 + \dots = \dots$$

$$2 + \dots = \dots$$

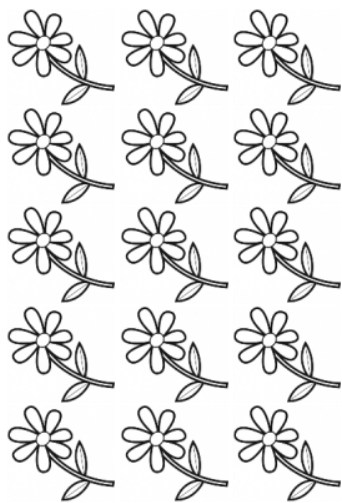
$$6 \times \dots = 2 \times \dots$$



$$8 + \dots = \dots$$

$$3 + \dots = \dots$$

$$8 \times \dots = 3 \times \dots$$



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

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

$$\dots \times \dots = \dots$$

Score :

Exercice n° 2

Colorie de la même couleur les additions et les multiplications qui leur correspondent.

$$3 + 3 + 3 + 3$$

$$4 \times 5$$

$$3 \times 4$$

$$9 + 9 + 9$$

$$4 + 4 + 4 + 4 + 4$$

$$5 \times 7$$

$$3 \times 9$$

$$7 + 7 + 7 + 7 + 7$$

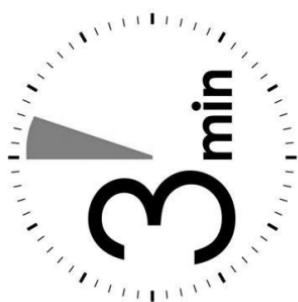
<http://laclassebleue.fr/>

La multiplication

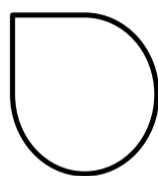


La course des tables

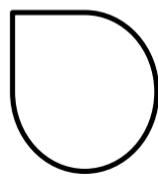
Tables de 2 à 5



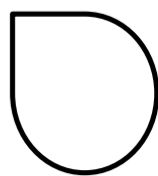
3×9



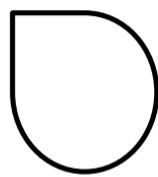
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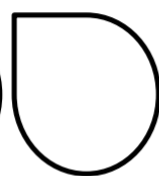
4×8



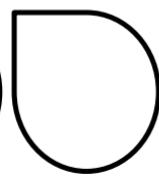
2×6



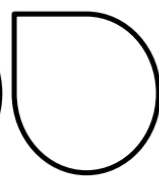
5×4



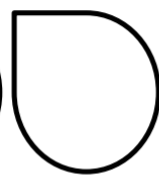
5×6



3×7



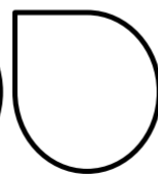
5×7



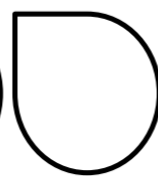
3×5



3×4



2×8



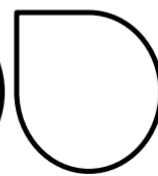
5×3



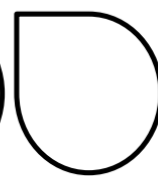
4×6



5×9



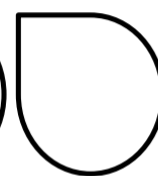
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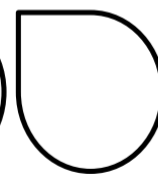
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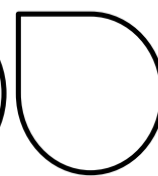
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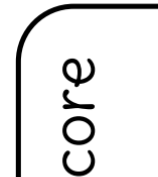
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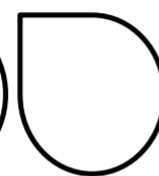
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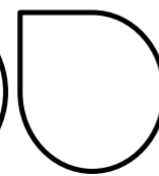
4×7



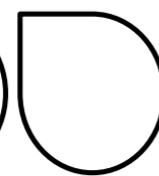
4×9



4×5

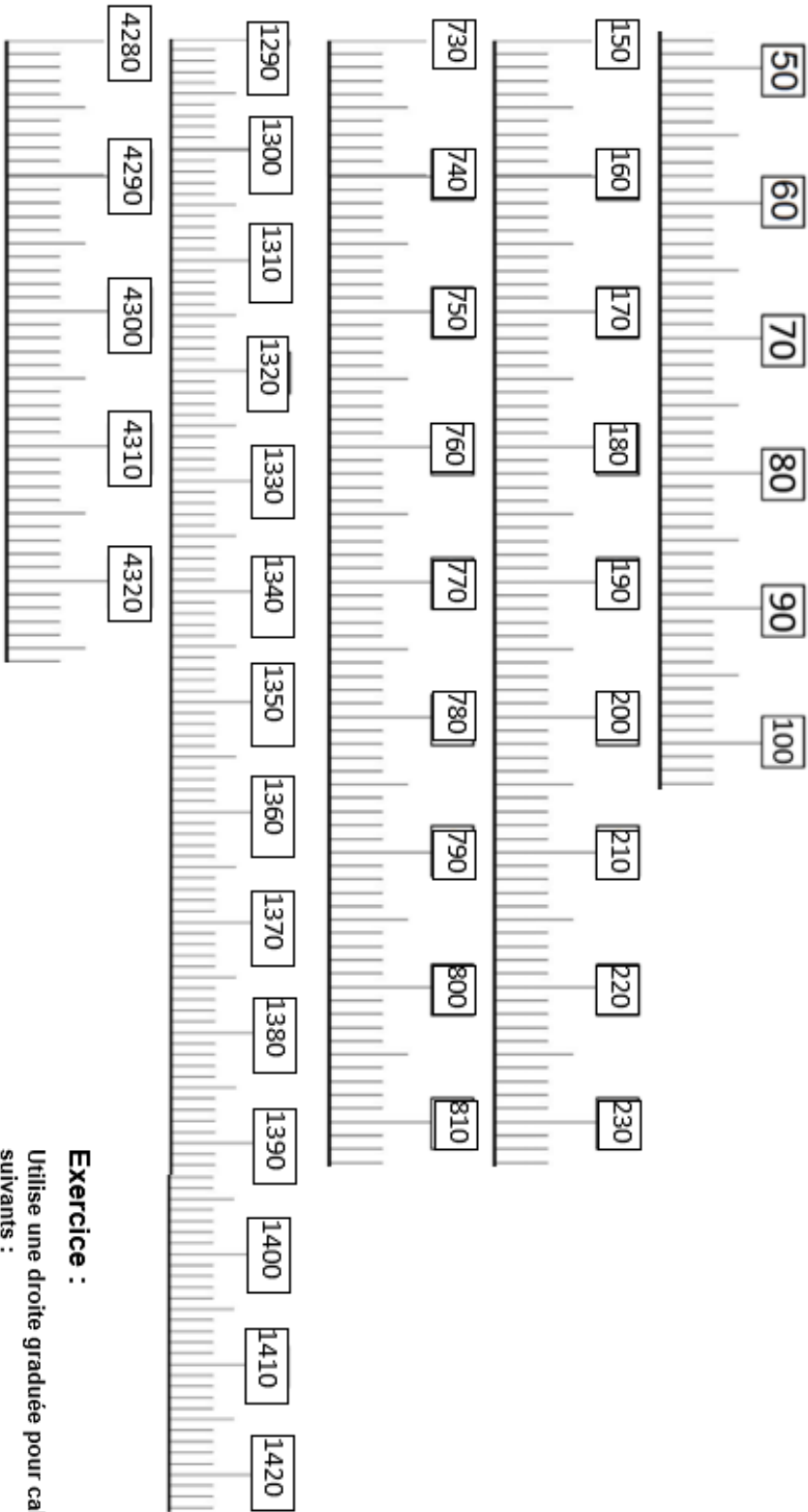


4×7



Mon score

Module 20 – Séances 2



Exercice :

Utilise une droite graduée pour calculer les écarts suivants :

Ecart entre 78 et 101 : ...

Ecart entre 199 et 217 : ...

Ecart entre 745 et 813 : ...

Ecart entre 1293 et 1421 : ...

Ecart entre 4281 et 4307 : ...

Exercice :

Trouve le résultat des calculs :

$$718 - 1 = \dots$$

$$778 - 10 = \dots$$

$$798 - 1 = \dots$$

$$444 - 10 = \dots$$

$$485 - 1 = \dots$$

$$493 - 10 = \dots$$

$$288 - 1 = \dots$$

$$852 - 10 = \dots$$

$$707 - 2 = \dots$$

$$708 - 10 = \dots$$

$$245 - 2 = \dots$$

$$505 - 10 = \dots$$

$$744 - 2 = \dots$$

$$998 - 20 = \dots$$

$$809 - 5 = \dots$$

$$700 - 20 = \dots$$

Et vérifie si tu as juste avec la calculatrice !

Module 20 – Séance 5

Prénom : _____

Date : _____

Maths

La soustraction sans retenue ①

1

Calcule.

$$\begin{array}{r} 54 \\ - 21 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ - 53 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ - 40 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ - 12 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ - 24 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ - 21 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ - 24 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ - 51 \\ \hline \end{array}$$

$$\begin{array}{r} 96 \\ - 21 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ - 24 \\ \hline \end{array}$$

$$\begin{array}{r} 74 \\ - 44 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ - 23 \\ \hline \end{array}$$








$$\begin{array}{r} 48 \\ - 35 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ - 03 \\ \hline \end{array}$$

Module 20 – Séance 6

MULTI VITESSE

10 - 0 =

9 - 6 =

4 - 7 =

8 - 5 =

4 - 4 =

9 - 6 =

6 - 6 =

7 - 5 =

8 - 4 =

9 - 6 =

5 - 2 =

8 - 5 =

7 - 2 =

4 - 9 =

7 - 5 =

5 - 4 =

8 - 3 =

6 - 5 =

2 - 9 =

6 - 8 =

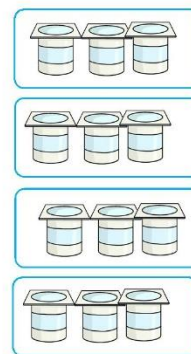
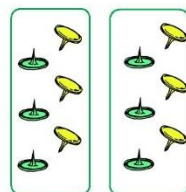
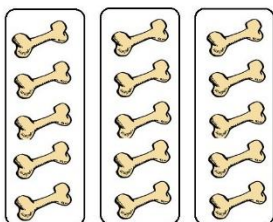
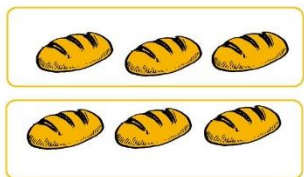
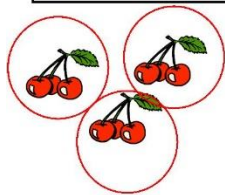
7 - 5 =

6 - 4 =

4 - 8 =

Module 20 – Séance 6

Relier la multiplication au bon dessin (à la règle)



2×6

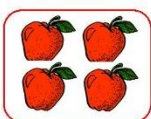
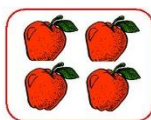
4×3

3×3

3×5

2×3

Écrire la bonne multiplication par rapport au dessin



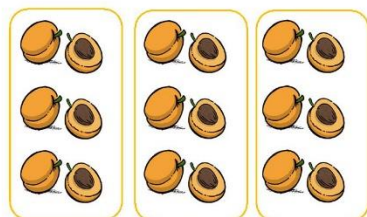
$= \dots \times \dots = \dots$



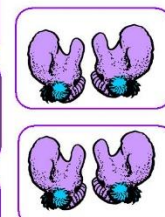
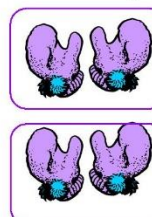
$= \dots \times \dots = \dots$



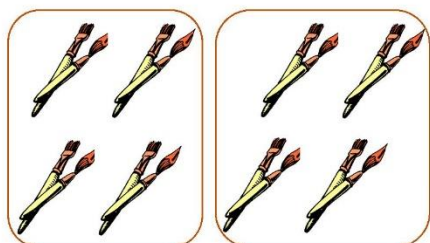
$= \dots \times \dots = \dots$



$= \dots \times \dots = \dots$

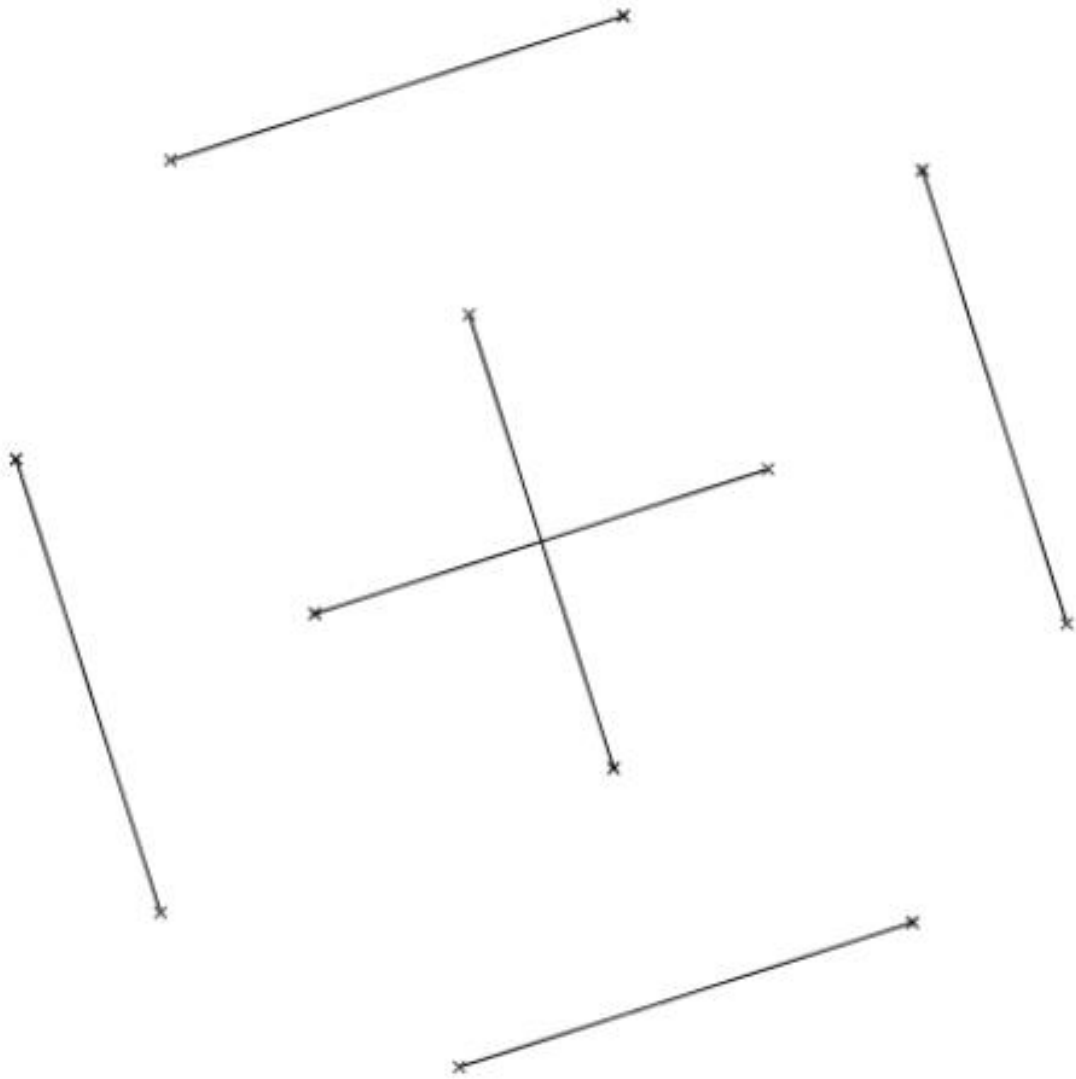


$= \dots \times \dots = \dots$



$= \dots \times \dots = \dots$

Module 20 – Séance 7



Module 20 – Séance 7

3- Complète avec m ou cm.

Un crayon mesure 15

La tour Eiffel mesure un peu plus de 300

Certains joueurs de basket ball mesurent plus de 2



La hauteur d'un livre est d'environ 30

Mon petit frère mesure 108

Une guêpe mesure 2

2- Complète avec m ou km.

Un requin peut mesurer 5

Quand on marche une heure, on parcourt 3

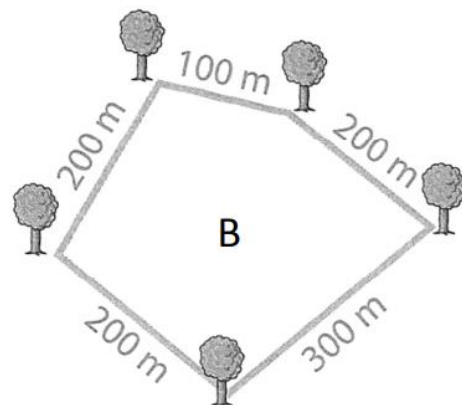
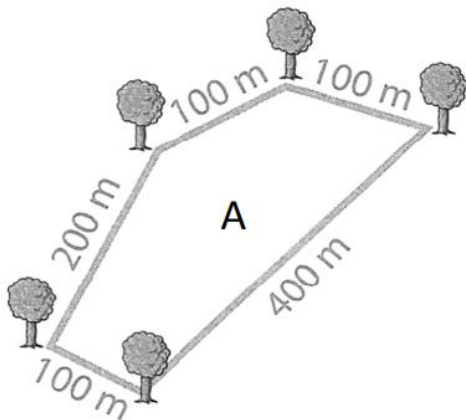
Melvin habite à 500 de l'école.



La France mesure 1000 du nord au sud.

Une piscine peut mesurer 20

Une table mesure 1 de haut.

3- Voici deux parcours de course à pieds. Calcule la longueur de chaque parcours.

Le parcours A mesure + + + + = m

Le parcours B mesure + + + + = m

Quel parcours mesure 1 kilomètre ?

CHRONOMATH 9



1 Double de 1 = ...

11 $6 + 7 = \dots$

21 $70 - 1 = \dots$

2 Double de 2 = ...

12 $7 + 8 = \dots$

22 $139 - 1 = \dots$

3 Double de 3 = ...

13 $5 + 6 = \dots$

23 $590 - 1 = \dots$

4 Double de 4 = ...

14 $9 + 9 = \dots$

24 $458 - 2 = \dots$

5 Double de 5 = ...

15 $8 + 9 = \dots$

25 $173 - 2 = \dots$

6 Double de 6 = ...

16 $7 + 3 + 2 = \dots$

26 $818 - 2 = \dots$

7 Double de 7 = ...

17 $4 + 5 + 6 = \dots$

27 $574 - 2 = \dots$

8 Double de 8 = ...

18 $5 + 5 + 6 = \dots$

28 $742 - 2 = \dots$

9 Double de 10 = ...

19 $7 + \dots = 20$

29 $820 - 2 = \dots$

10 Double de 50 = ...

20 $9 + \dots = 40$

30 $600 - 2 = \dots$

SCORE :

CE1

Module 20 – Séance 8

Les soustractions sans retenue et avec retenues

1 Calcule ces soustractions en colonne:

$$\begin{array}{r} 43 \\ - 25 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ - 30 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ - 36 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ - 18 \\ \hline \end{array}$$

2 Calcule ces soustractions en colonne:

$$58 - 26$$

$$32 - 14$$

$$89 - 26$$

$$64 - 8$$

$$68 - 34$$

Complète :

Le double de 8 est ...

La moitié de 16 est ...

Le double de 24 est ...

La moitié de 60 est...

Le double de 14 est ...

La moitié de 80 est ...

Le double de 44 est ...

La moitié de 120 est ...

Module 21 – Séance 1

1 Calcule ces soustractions en colonne:

$$\begin{array}{r} 23 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ - 26 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ - 38 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ - 49 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ - 8 \\ \hline \end{array}$$

2 Calcule ces soustractions en colonne:

$$75 - 59$$

$$26 - 19$$

$$46 - 28$$

$$53 - 29$$

$$32 - 9$$

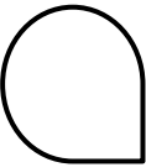


La course des tables

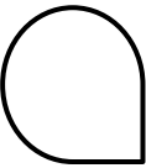
Tables de 2 à 5



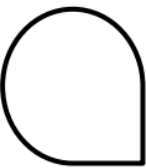
3×9



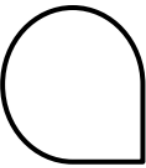
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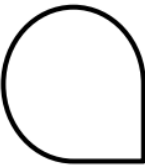
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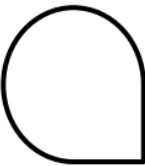
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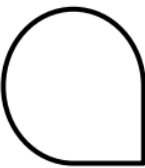
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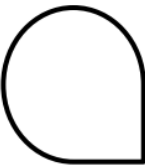
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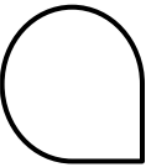
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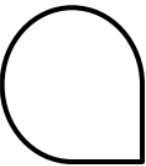
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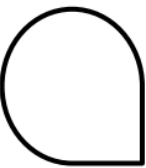
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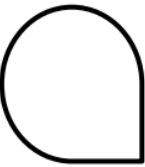
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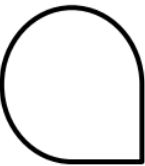
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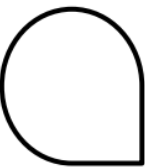
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5×9



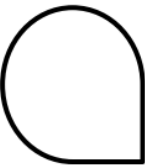
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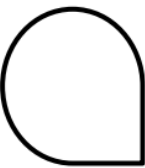
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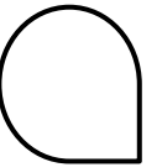
2×4



3×6



4×9



4×5



4×7



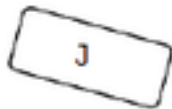
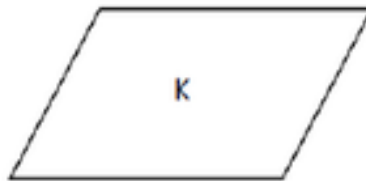
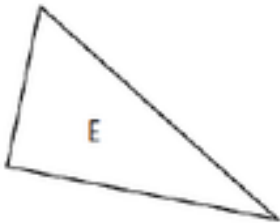
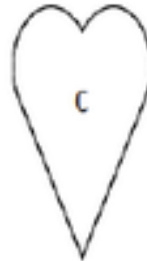
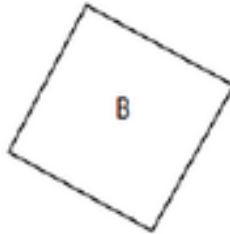
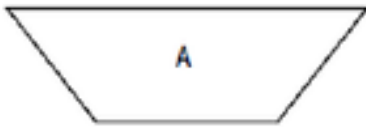
Mon score

Module 21 – Séance 2

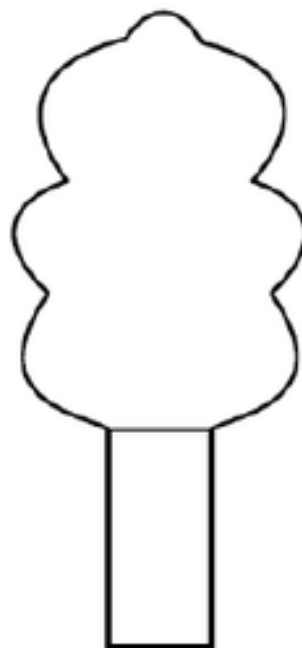
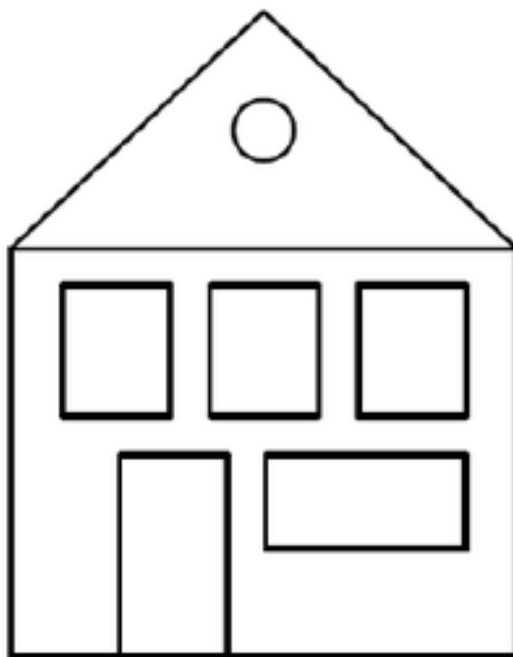
Reconnaître l'angle droit.



1 Utilise ton équerre pour trouver tous les angles droits dans les figures



2 Utilise ton équerre pour trouver tous les angles droits dans ce dessin.



Anne-Claire pour ecoledecrevet



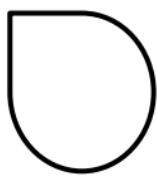
La course des tables



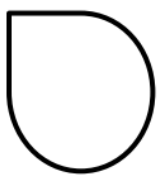
Tables de 2 à 5



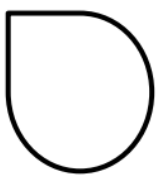
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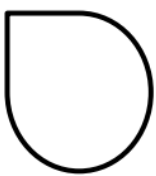
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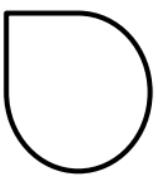
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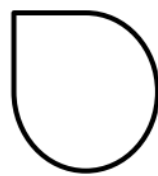
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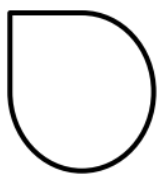
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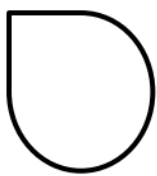
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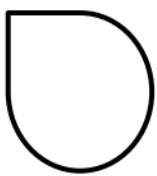
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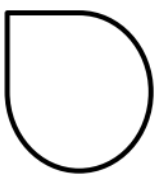
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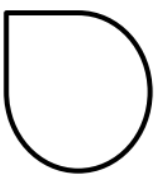
3×7



5×3



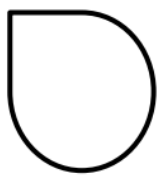
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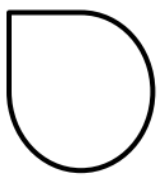
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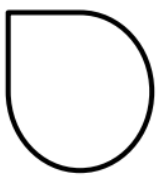
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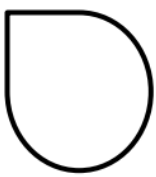
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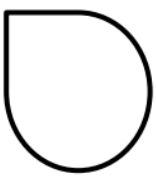
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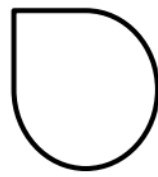
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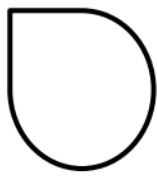
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4×3



2×4



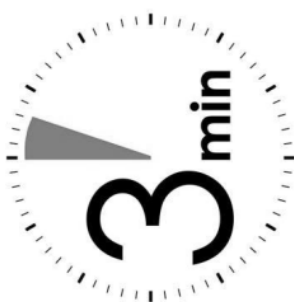
5×6

Mon score



La course des tables

Tables de 2 à 5



3×4
 5×4
 3×9
 4×9
 2×8
 4×8

3×8
 5×8
 3×6
 5×6
 2×9
 4×4

4×6
 3×5
 2×7
 5×9
 3×7
 4×7

2×6
 5×7

Mon score

Module 20 – Séance 8

3 5 2

- 1 3 0

3 6 4

- 2 1 0

3 5 5

- 1 4 1

2 4 4

- 4 2

3 5 8

- 1 0

2

Calcule ces soustractions en colonne:

453 - 223

375 - 134

887 - 351

486 - 231

Module 20 – Séance 8

JANVIER

L	M	M	J	V	S	D
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	31	1	2	3	4

FÉVRIER

L	M	M	J	V	S	D
29	30	31	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	1	2	3	4

MARS

L	M	M	J	V	S	D
26	27	28	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	31	1

AVRIL

L	M	M	J	V	S	D
26	27	28	29	30	31	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	1	2	3	4	5	6

MAI

L	M	M	J	V	S	D
30	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	31	1	2	3

JUIN

L	M	M	J	V	S	D
28	29	30	31	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	1

2018



JUILLET

L	M	M	J	V	S	D
25	26	27	28	29	30	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	31	1	2	3	4	5

AOÛT

L	M	M	J	V	S	D
30	31	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	31	1	2

SEPTEMBRE

L	M	M	J	V	S	D
27	28	29	30	31	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

OCTOBRE

L	M	M	J	V	S	D
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	31	1	2	3	4

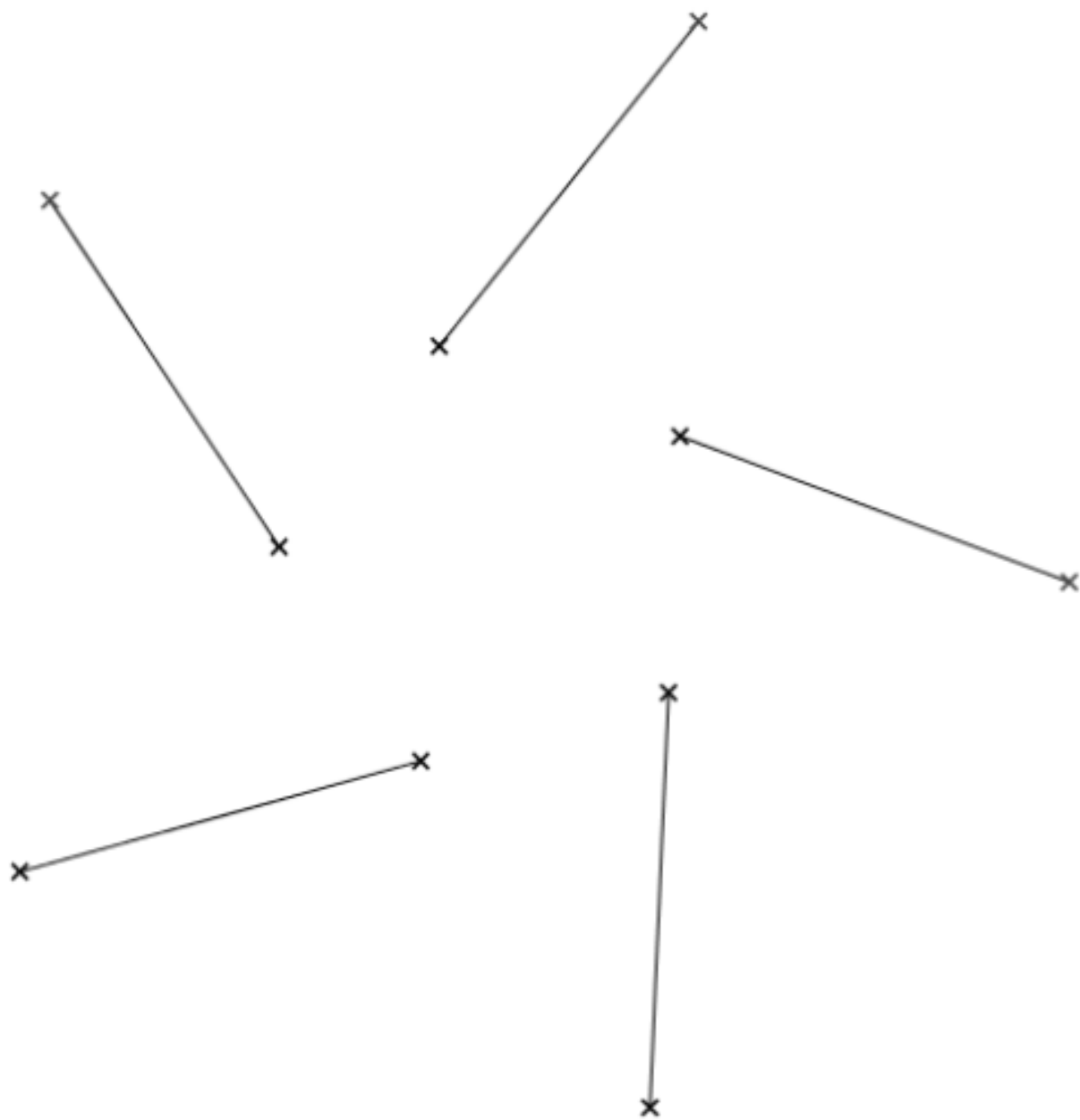
NOVEMBRE

L	M	M	J	V	S	D
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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	1	2








DÉCEMBRE

L	M	M	J	V	S	D
26	27	28	29	30	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
31						

Module 21 – Séance 8



Module 20 – Séance 8

MULTI
VITESSE








25 + = 30

7 + = 30

30 + = 30

11 + = 30

20 + = 30

16 + = 30

22 + = 30

3 + = 20

19 + = 30

24 + = 30

13 + = 30

1 + = 30

18 + = 30

17 + = 30

6 + = 30

2 + = 30

9 + = 30

15 + = 30

21 + = 30

8 + = 30

23 + = 30

12 + = 30

4 + = 30

<https://monecole.fr/>

