Classe: | Numéro: | Prénom: | Date:

Ma.

Savoir mesurer des grandeurs

Les unités d'aire – L'abaque

1. Change d'unité, observe et complète. Fais bouger la virgule et ajoute les zéros nécessaires.

km²	hm²	dam²	m²	dm²	cm²	mm²
		1	0 5	2 1,	0 0	0 5
			2 0	0 0		
		0,	2 0			
			2 0,	5 0		
			2 0	5 0	0 0	
			2 0	5 0	0 0	0 0

→ dictée

↔ 20 m² = 2000 dm²

↔ 20 m² = 0,2 dam²

↔ 20,5 m² = 2050 dm²

↔ 20,5 m² = 205 000 cm²

↔ 20,5 m² = 20 500 000 mm²

2. Fais le nettoyage. Place la virgule nécessaire. Barre les zéros et les virgules inutiles.

km²	hm²	dam²	m²	dm²	cm²	mm²
~~0~~ ~~0~~	~~0~~ 1,	1 ~~0~~	~~0~~ ~~0~~,	~~0~~ ~~0~~,	~~0~~ ~~0~~,	~~0~~ ~~0~~
~~0~~ ~~0~~	~~0~~ 3	4 5,	2 5	~~0~~ ~~0~~	~~0~~ ~~0~~,	~~0~~ ~~0~~
~~0~~ 2	0 0	0 0	6 5,	~~0~~ ~~0~~,	~~0~~ ~~0~~	~~0~~ ~~0~~
~~0~~ ~~0~~	~~0~~ ~~0~~	~~0~~ ~~0~~	~~0~~ ~~0~~	~~0~~ 1	0 0,	~~0~~ ~~0~~
~~0~~ ~~0~~	~~0~~ ~~0~~	~~0~~ ~~0~~	1 0	0 0,	0 5	~~0~~ ~~0~~
~~0~~ ~~0~~	~~0~~ ~~0~~	~~0~~ ~~0~~	~~0~~ ~~0~~	~~0~~ 6	0 0	0 0,

1,1 hm²

345,25 dam²

2 000 065 m²

100 cm²

1000,05 dm²

60 000 mm²

3. Que se passe-t-il avec la virgule lorsque tu changes d'unité ?

.....

.....

4. Complète.

km²	hm²	dam²	m²	dm²	cm²	mm²
				5 8	9 2	
				3 5	0 1	2 4
	7 5	6 8	2 1	4		
			1 0,	3 5	9 8	
				4 8	7 5,	2 5 0 1
	7, 0	0 1	2 5	4		
4 1	0 0	5 9				
		2, 6	0 1	7		
	8 0	2 5	4 7	6, 1		

5892 cm²

350 124 mm²

7 568 214 m²

10,3598 dam²

4875,2501 dm²

7,001254 km²

410 059 dam²

2,6017 hm²

8025476,1 m²

km²	hm²	dam²	m²	dm²	cm²	mm²
	1	59,	87	53		
		26	48	70,	19	
				0,	87	45 62
0,	06	52	13	49		
	78	96	54	10	30	00

159, 8753 ..... dam²

264 870, 19 ..... dm²

0, 874562 ..... m²

0, 065 2 1349 ..... km²

789 654 103 000 ..... mm²

5. Complète. Utilise l'abaque si nécessaire.

28 m² = 2800 dm² = 280 000 cm²

2,75 hm² = 27 500 m² = 275 dam²

9840 dam² = 984 000 m² = 98,40 hm²

20 000 m² = 200 dam² = 2 hm²

650 000 dm² = 65 000 000 cm² = 0,65 hm²

9,0047 km² = 90 047 dam² = 9 004 700 m²

265 000 m² = 0,265 km² = 265 000 000 cm²

95 dam² = 9 500 000 000 mm² = 0,0095 km²

104 000 cm² = 10,4 m² = 1040 dm²

6 020 180 mm² = 6,02018 m² = 0,0602018 dam²

54 m² = 5400 dm² = 0,0054 hm²

3,58 hm² = 358 dam² = 3 580 000 dm²

9600 dam² = 96 hm² = 0,96 hm²

50 000 m² = 5 hm² = 5 000 000 dm²

920 000 dm² = 0,92 hm² = 0,0092 km²

7,0086 km² = 700,86 hm² = 70 086 dam²

2 965 000 cm² = 296,5 m² = 29 650 dm²

1,59 hm² = 15 900 m² = 159 dam²

104 000 mm² = 1040 cm² = 10,4 dm²

6 020 180 m² = 6,02018 km² = 60201,8 dam²

km²	hm²	dam²	m²	dm²	cm²	mm²
	1	59	87	53		
		26	48	70	19	
				87	45	62
	6	52	13	49		
78	96	54	10	3		

..... dam²

..... dm²

..... m²

..... km²

..... mm²

5. Complète. Utilise l'abaque si nécessaire.

28 m² = ... dm² = ... cm²

2,75 hm² = ... m² = ... dam²

9840 dam² = ... m² = ... hm²

20 000 m² = ... dam² = ... hm²

650 000 dm² = ... cm² = ... hm²

9,0047 km² = ... dam² = ... m²

265 000 m² = ... km² = ... cm²

95 dam² = ... mm² = ... km²

104 000 cm² = ... m² = ... dm²

6 020 180 mm² = ... m² = ... dam²

54 m² = 5400 ..... = 0,0054 .....

3,58 hm² = 358 ..... = 3 580 000 .....

9600 dam² = 96 ..... = 0,96 .....

50 000 m² = 5 ..... = 5 000 000 .....

920 000 dm² = 0,92 ..... = 0,0092 .....

7,0086 km² = 700,86 ..... = 70 086 .....

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