

Nom _____

Date _____

Vocabulaire mathématique — corrigé

36 tasks in five styles, covering every key word in Unit 1.

A · Unscramble the term — Remets les lettres dans l'ordre pour trouver le terme correspondant à la définition.

1 xnied

The small raised number showing how many 10s are multiplied.

Example: In 10^4 the index is 4.

Answer: index

The word is **index** — The small raised number showing how many 10s are multiplied.

2 dornu

To replace a number by a nearby, simpler one.

Example: 4.27 rounds to 4.3.

Answer: round

The word is **round** — To replace a number by a nearby, simpler one.

3 tidig

One of the symbols 0 to 9.

Example: 45.6 has three digits.

Answer: digit

The word is **digit** — One of the symbols 0 to 9.

4 hettns

The first decimal place.

Example: In 0.4 there are 4 tenths.

Answer: tenths

The word is **tenths** — The first decimal place.

5 huhdnertds

The second decimal place.

Example: In 0.07 there are 7 hundredths.

Answer: hundredths

The word is **hundredths** — The second decimal place.

6 eparpxomita

Close to the true value but not exact.

Example: 1.21 is an approximate value of $8.46 \div 7$.

Answer: approximate

The word is **approximate** — Close to the true value but not exact.

B · Fill in the gaps — Utilise un mot de la boîte pour compléter chaque phrase.

- 7 The small raised number in 10^4 is called the _____.
Boîte à mots : ☐
Answer: index
 It says how many 10s are multiplied together.
- 8 The value a digit has because of its position is its _____.
Boîte à mots : ☐
Answer: place value
 In 3.47 the 4 has a place value of 4 tenths.
- 9 To _____ a number is to replace it by a nearby, simpler one.
Boîte à mots : ☐
Answer: round
 4.27 rounds to 4.3.
- 10 "To 2 decimal places" describes the required _____.
Boîte à mots : ☐
Answer: degree of accuracy
 It tells you how precise the answer must be.
- 11 A digit position after the decimal point is called a _____.
Boîte à mots : ☐
Answer: decimal place
 3.15 has two decimal places.
- 12 Counting from the first non-zero digit gives the _____.
Boîte à mots : ☐
Answer: significant figures
 45 678 to 3 s.f. is 45 700.
- 13 A rounded answer is _____ rather than exact.
Boîte à mots : ☐
Answer: approximate
 $8.46 \div 7 \approx 1.21$.
- 14 1000 is a _____ because it is $10 \times 10 \times 10$.
Boîte à mots : ☐
Answer: power of 10
 It can be written as 10^3 .

C · Choose the correct ending — Choisissez la raison qui termine correctement chaque phrase.

- 15 Multiplying by 10^3 moves the digits three places to the left because ...
☐ three is an odd number
☐ multiplying makes the number bigger
☐ there are three digits in 1000
Answer: multiplying makes the number bigger
 Bigger means further left on the place-value chart.

- 16** 4.27 rounds to 4.3 because ...
- ☐ 7 is bigger than 4
 - ☐ the digit after the tenths place is 5 or more
 - ☐ 4.3 is a nicer number

Answer: the digit after the tenths place is 5 or more

The 7 in the hundredths place decides it.

- 17** 9.999 rounds to 10 to 2 decimal places because ...
- ☐ 9.999 is nearly 10 anyway
 - ☐ rounding the last 9 up carries all the way along
 - ☐ you always round 9s up to 10

Answer: rounding the last 9 up carries all the way along

$9.99 + 0.01 = 10.00$.

- 18** You work a division out to one extra decimal place because ...
- ☐ it looks more impressive
 - ☐ you need that digit to decide how to round
 - ☐ calculators do it that way

Answer: you need that digit to decide how to round

$8.46 \div 7 = 1.208\dots$, and the 8 is what tells you to round up to 1.21.

- 19** Crossing zeros off the end is a risky way to divide by 10^4 because ...
- ☐ it is slower
 - ☐ the number may not have four zeros to cross off
 - ☐ zeros are not really digits

Answer: the number may not have four zeros to cross off

$45 \div 10^4 = 0.0045$ — there is nothing to cross off.

- 20** 45 678 to 3 significant figures is 45 700 because ...
- ☐ you keep three digits and the rest become zeros, after rounding
 - ☐ you delete the last two digits
 - ☐ 7 is bigger than 5

Answer: you keep three digits and the rest become zeros, after rounding

The fourth digit is 7, so the third digit rounds up from 6 to 7.

D · Match the definition — Écris le terme qui correspond à chaque définition.

- 21** Which term means: *A number made by multiplying 10s together.*

Answer: power of 10

power of 10 — $10^3 = 1000$.

- 22** Which term means: *The small raised number showing how many 10s are multiplied.*

Answer: index

index — In 10^4 the index is 4.

- 23** Which term means: *The value a digit has because of its position.*

Answer: place value

place value — In 3.47 the 4 stands for 4 tenths.

- 24** Which term means: *To replace a number by a nearby, simpler one.*

Answer: round

round — 4.27 rounds to 4.3.

- 25 Which term means: *How precise an answer must be.*

Answer: degree of accuracy

degree of accuracy — “To 2 decimal places” is a degree of accuracy.

- 26 Which term means: *A digit position after the decimal point.*

Answer: decimal place

decimal place — 3.15 is given to 2 decimal places.

- 27 Which term means: *The digits that carry meaning, from the first non-zero digit.*

Answer: significant figures

significant figures — 45 678 to 3 s.f. is 45 700.

- 28 Which term means: *Close to the true value but not exact.*

Answer: approximate

approximate — 1.21 is an approximate value of $8.46 \div 7$.

- 29 Which term means: *The first decimal place.*

Answer: tenths

tenths — In 0.4 there are 4 tenths.

- 30 Which term means: *The second decimal place.*

Answer: hundredths

hundredths — In 0.07 there are 7 hundredths.

E · Reading and writing number — Lire correctement les consignes de valeur de position et de précision.

- 31 How do you read 10^5 aloud?

- ☐ ten five
- ☐ ten to the power of five
- ☐ five tens
- ☐ ten fifths

Answer: ten to the power of five

The index is read as “to the power of”.

- 32 How do you read 0.07 aloud?

- ☐ nought point zero seven
- ☐ nought point seven
- ☐ seven hundredths — or “nought point zero seven”
- ☐ seven tenths

Answer: seven hundredths — or “nought point zero seven”

Both readings are correct; the place value is hundredths.

- 33 A question says “give your answer to 2 d.p.”. What must you do?

- ☐ Give two digits in total
- ☐ Give two digits after the decimal point
- ☐ Multiply by 2
- ☐ Round to the nearest 2

Answer: Give two digits after the decimal point

d.p. stands for decimal places.

34 A question says “round to a sensible degree of accuracy”. What does that ask?

- ☐ Round to as many digits as possible
- ☐ Choose an accuracy that suits the situation
- ☐ Always round to 2 decimal places
- ☐ Do not round at all

Answer: Choose an accuracy that suits the situation

Money usually needs 2 d.p.; a length in metres often needs 1 d.p.

35 What does the symbol $\approx$ mean?

- ☐ is equal to
- ☐ is approximately equal to
- ☐ is less than
- ☐ is rounded down

Answer: is approximately equal to

Use it when you have rounded an answer.

36 In the number 4506.78, what is the place value of the 5?

- ☐ 5
- ☐ 50
- ☐ 500
- ☐ 0.5

Answer: 500

It sits in the hundreds column.