nexamind EDUCATION

Name _____ Date _____

Maths vocabulary — worksheet

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

A · Unscramble the term — Rearrange the letters to make the term that matches the definition.

1 **xnied**
The small raised number showing how many 10s are multiplied.
Example: In 10^4 the index is 4.

2 **dornu**
To replace a number by a nearby, simpler one.
Example: 4.27 rounds to 4.3.

3 **tidig**
One of the symbols 0 to 9.
Example: 45.6 has three digits.

4 **hettns**
The first decimal place.
Example: In 0.4 there are 4 tenths.

5 **huhdnertds**
The second decimal place.
Example: In 0.07 there are 7 hundredths.

6 **eparpxomita**
Close to the true value but not exact.
Example: 1.21 is an approximate value of 8.46 ÷ 7.

B · Fill in the gaps — Use a word from the box to complete each sentence.

7 The small raised number in 10^4 is called the _____.
Word box: □

8 The value a digit has because of its position is its _____.
Word box: □

9 To _____ a number is to replace it by a nearby, simpler one.
Word box: □

10 "To 2 decimal places" describes the required _____.
Word box: □

11 A digit position after the decimal point is called a _____.
Word box: □

12 Counting from the first non-zero digit gives the _____.
Word box: □

13 A rounded answer is _____ rather than exact.
Word box: □

14 1000 is a _____ because it is 10 × 10 × 10.
Word box: □

C · Choose the correct ending — Pick the reason that correctly finishes each sentence.

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

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

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

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

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

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

D · Match the definition — Type the term that matches each definition.

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

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

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

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

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

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

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

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

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

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

E · Reading and writing number — Read place value and accuracy instructions correctly.

31 How do you read 10^5 aloud?

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

32 How do you read 0.07 aloud?

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

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

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

35 What does the symbol ≈ mean?

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

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

- ☐ 5
- ☐ 50
- ☐ 500
- ☐ 0.5