

Name \_\_\_\_\_

Date \_\_\_\_\_

## Maths vocabulary — worksheet

46 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 rnieteg**

A positive or negative whole number, including zero.

Example:  $-7$ ,  $0$  and  $43$  are integers;  $2.5$  is not.

**2 trpdocu**

The result of multiplying numbers together.

Example: The product of  $-3$  and  $4$  is  $-12$ .

**3 oafter**

A number that divides exactly into another number without any remainder.

Example:  $15 \div 5 = 3$ , so  $5$  is a factor of  $15$ .

**4 lumtlpie**

The result of multiplying a number by a whole number.

Example: The multiples of  $4$  are  $4$ ,  $8$ ,  $12$ ,  $16$ , ...

**5 reramnied**

The amount left over after a division.

Example:  $17 \div 5 = 3$  remainder  $2$ .

**6 eidivislb**

When one number is divided by another, the result is an integer.

Example:  $342$  is divisible by  $3$ .

**7 tidig**

One of the symbols  $0$  to  $9$  used to write a number.

Example: The number  $342$  has three digits.

**8 xnied**

The small raised number that shows how many times a number is multiplied by itself.

Example: In  $7^2$  the index is  $2$ , and  $7^2 = 49$ .

**9 tseitame**

To find an approximate value that is close enough to be useful.

*Example:  $\sqrt{50}$  is about 7.*

**10 eocsncetuvi**

Describes numbers that are next to each other when placed in order.

*Example: 7, 8 and 9 are consecutive.*

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

- 11** Any whole number that has a remainder when divided by 2 is an \_\_\_\_.

**Word box:**

- 12** Numbers that are next to each other when placed in order are \_\_\_\_ numbers.

**Word box:**

- 13** \_\_\_\_ means that when one number is divided by another, the result is an integer.

**Word box:**

- 14** You can use the \_\_\_\_ to quickly check if one number is divisible by another.

**Word box:**

- 15** Two numbers whose only common factor is 1 are called \_\_\_\_.

**Word box:**

- 16** The answer to a division is called the \_\_\_\_.

**Word box:**

- 17** The small raised 2 in  $7^2$  is called the \_\_\_\_.

**Word box:**

- 18** When a number is not a square number you can \_\_\_\_ its square root.

**Word box:**

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

- 19** You know that  $5 \times 3 = 15$  is a multiplication because ...

- ☐ 15 is bigger than both 3 and 5
- ☐ it is not an addition
- ☐  $\times$  is the symbol for multiplication

- 20** 5 and 10 are common factors of 30 and 50 because ...

- ☐ 30 and 50 are both multiples of 10
- ☐ they both divide into 30 and 50 without any remainders
- ☐ no other numbers divide into 30 and 50

- 21** 4 is the square root of 16 because ...  
☐ 16 is divisible by 4  
☐ you find both 4 and 16 in the 4 times table  
☐ 4 multiplied by itself is 16
- 22** 4 is the cube root of 64 because ...  
☐ 4 times 16 is 64  
☐ 4 times 4 is 16 and multiplying by 4 again gives 64  
☐ 64 can be divided by 4 but not by 6
- 23** 12 is the lowest common multiple of 4 and 6 because ...  
☐ 12 is in the 4 times table  
☐ 12 is the smallest number in both times tables  
☐ 12 is  $4 + 6 + 2$
- 24**  $-3 \times -4 = 12$  is positive because ...  
☐ a minus and a minus make a plus in every calculation  
☐ there is an even number of negative factors  
☐ 12 is bigger than both 3 and 4
- 25** 342 is divisible by 3 because ...  
☐ it is an even number  
☐ its digits add up to 9, which is a multiple of 3  
☐ it ends in a 2
- 26** 9 and 20 are co-prime because ...  
☐ they are both odd numbers  
☐ their only common factor is 1  
☐ 9 is smaller than 20

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

- 27** Which term means: *The result of adding numbers together.*  
\_\_\_\_\_
- 28** Which term means: *The result of subtracting one number from another.*  
\_\_\_\_\_
- 29** Which term means: *The result of multiplying numbers together.*  
\_\_\_\_\_
- 30** Which term means: *The result of a division.*  
\_\_\_\_\_
- 31** Which term means: *A number that is a multiple of two or more numbers.*  
\_\_\_\_\_
- 32** Which term means: *The largest number that is a factor of two or more numbers.*  
\_\_\_\_\_
- 33** Which term means: *The number you get when you multiply an integer by itself.*  
\_\_\_\_\_
- 34** Which term means: *The number that was cubed to give a cube number.*  
\_\_\_\_\_
- 35** Which term means: *To give evidence or a reason that shows why an answer is correct.*  
\_\_\_\_\_

- 36 Which term means: *The amount left over after a division.*
- 37 Which term means: *Any whole number that can be divided by 2 without a remainder.*
- 38 Which term means: *The smallest number that is a multiple of two or more numbers.*

**E · Reading and writing maths — Say and interpret mathematical language correctly.**

- 39 How do you read  $7^2$  aloud?
- ☐ seven two
  - ☐ seven squared
  - ☐ seven cubed
  - ☐ square seven
- 40 How do you read  $4^3$  aloud?
- ☐ four three
  - ☐ four squared
  - ☐ four cubed
  - ☐ cube four
- 41 How do you read  $\sqrt{49}$  aloud?
- ☐ root forty-nine squared
  - ☐ the square root of forty-nine
  - ☐ forty-nine squared
  - ☐ the cube root of forty-nine
- 42 How do you read  $-8$  aloud in mathematics?
- ☐ minus eight
  - ☐ negative eight
  - ☐ either “negative eight” or “minus eight”
  - ☐ eight minus
- 43 In the sentence “find the product of  $-3$  and  $4$ ”, which operation should you use?
- ☐ Addition
  - ☐ Subtraction
  - ☐ Multiplication
  - ☐ Division
- 44 In the sentence “find the difference between  $4$  and  $-9$ ”, which operation should you use?
- ☐ Addition
  - ☐ Subtraction
  - ☐ Multiplication
  - ☐ Division
- 45 A question says “justify your answer”. What must you include?
- ☐ Only the final number
  - ☐ A reason or evidence that shows why you are right
  - ☐ A drawing
  - ☐ Your working crossed out

**46** A question says “estimate  $\sqrt{83}$ ”. What kind of answer is wanted?

- ☐ An exact decimal
- ☐ A rough value, close enough to be useful
- ☐ The number 83
- ☐ A fraction