

# Understanding Maths Words

## Basic Operations Vocabulary Bundle

Addition • Subtraction • Multiplication • Division

UK & US  
Editions  
Included

KOJI PATH

### UNDERSTANDING MATHS WORDS

#### Addition & Subtraction Vocabulary

Learn what the words mean, recognise them in questions and use them with confidence.

LEARN • RECOGNISE • APPLY • EXPLAIN

sum

total

difference

altogether

fewer

more than

resources

equal

80  
pages

Maths Vocabulary • Word Problems • Reasoning  
Parent & Educator Guidance • Teaching Pages • Practice • Answer Key

KOJI PATH

### UNDERSTANDING MATHS WORDS

#### Multiplication & Division Vocabulary

Learn what the words mean, recognise the relationships and use them in questions with confidence.

LEARN • RECOGNISE • APPLY • EXPLAIN

equal groups

product

factor

multiple

quotient

remainder

times as many

share equally

ADDITION

DIVISION

RELATIONSHIPS

REASONING

Maths Vocabulary • Word Problems • Reasoning  
Parent & Educator Guidance • Teaching Pages • Practice • Answer Key

Teach • Practise • Apply • Review • Answer Keys

# What's Included

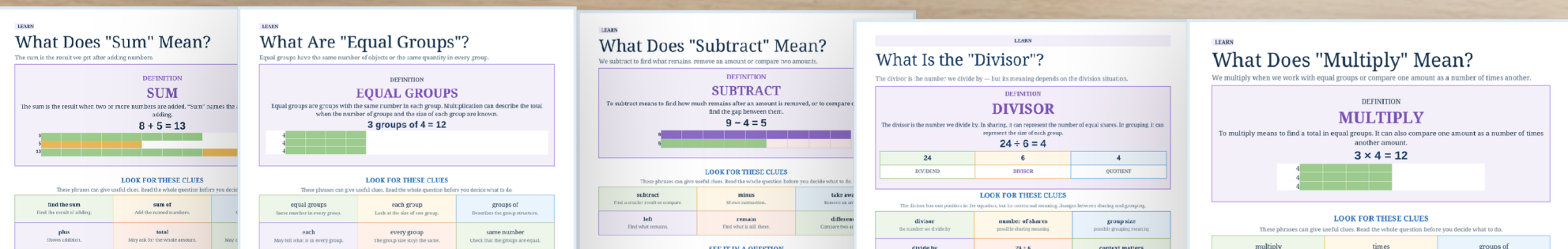
2 complete maths vocabulary resources • 80 pages

## Addition & Subtraction

- Addition language
- Subtraction language
- Comparison vocabulary
- Equality
- Word-problem language
- Practice & reasoning
- Answer keys
- UK & US Editions Included

## Multiplication & Division

- Equal groups & arrays
- Factors & multiples
- Sharing & grouping
- Division vocabulary
- Word-problem language
- Practice & reasoning
- Answer keys
- UK & US Editions Included



Buy together and save

# Teach the Meaning First

## Addition

What Does "Sum"  
Mean?

**LEARN**

### What Does "Sum" Mean?

The sum is the result we get after adding numbers.

**DEFINITION**  
**SUM**  
The sum is the result when two or more numbers are added. "Sum" names the answer, not the action of adding.  
 $8 + 5 = 13$

**LOOK FOR THESE CLUES**  
These phrases can give you clues. Read the whole question before you decide what to do.

|                                                |                                         |                                              |
|------------------------------------------------|-----------------------------------------|----------------------------------------------|
| <b>find the sum</b><br>find the total or total | <b>sum of</b><br>add the number numbers | <b>add</b><br>combine the numbers            |
| <b>plus</b><br>more numbers                    | <b>total</b><br>they add to what number | <b>altogether</b><br>they add to what number |

**SEE IT IN A QUESTION**

Find the sum of 6 and 7.  
Inequal numbers 6 and 7  
 $6 + 7 = 13$  The sum of 6 and 7 is 13.

**TRY IT**

What is the sum of 9 and 4?  
 $9 + 4 =$

Write your answer.

**REMEMBER**  
The sum is the result of an addition. Plus adds the numbers, then names the result as the sum.

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## Subtraction

What Does  
"Difference" Mean?

**LEARN**

### What Does "Difference" Mean?

You use difference when you compare two amounts.

**DEFINITION**  
**DIFFERENCE**  
The difference tells us how far apart two amounts are. We can often find it by subtracting the smaller number from the larger number.  
 $9 - 5 = 4$

**LOOK FOR THESE CLUES**  
These phrases can give you clues. Read the whole question before you decide what to do.

|                                                    |                                                   |                                                      |
|----------------------------------------------------|---------------------------------------------------|------------------------------------------------------|
| <b>find the difference</b><br>compare two numbers  | <b>what is the difference?</b><br>Find the gap.   | <b>how many more?</b><br>Find the extra amount.      |
| <b>how many fewer?</b><br>Compare the two amounts. | <b>how much more?</b><br>Compare the two amounts. | <b>how far apart?</b><br>Find the gap between items. |

**SEE IT IN A QUESTION**

One box has 9 stickers. Another box has 5 stickers. What is the difference between the number of stickers they have?  
Inequal numbers 9 and 5  
 $9 - 5 = 4$  The difference is 4.

**TRY IT**

Less than 10 numbers 12 and 8 numbers. What is the difference?  
 $12 - 8 =$

Write your answer.

**REMEMBER**  
Difference means comparing two amounts to find out how far apart they are. Use subtraction to find the difference.

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## Multiplication

What Is a  
"Factor"?

**LEARN**

### What Is a "Factor"?

Factors are numbers that multiply together to make a product.

**DEFINITION**  
**FACTOR**  
A factor is a number that is multiplied by another number to make a product. A factor of a whole number divides it evenly, with no remainder.  
 $4 \times 6 = 24$   
4 and 6 are factors of 24.

|    |    |   |   |
|----|----|---|---|
| 1  | 2  | 3 | 4 |
| 24 | 12 | 8 | 6 |

**LOOK FOR THESE CLUES**  
These phrases can give you clues. Read the whole question before you decide what to do.

|                                       |                                                                            |                                                                   |
|---------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------|
| <b>factor of</b><br>divides evenly    | <b>factor pair</b><br>numbers that multiply to make a product              | <b>what multiplies to?</b><br>Look for a factor pair.             |
| <b>divides evenly</b><br>no remainder | <b>product</b><br>the number that is the result of multiplying two numbers | <b>whole number</b><br>a number that is not a fraction or decimal |

**SEE IT IN A QUESTION**

Which pair are factors of 24: 3 and 6 or 4 and 7?  
Inequal numbers 24, 3, 6, 4, 7  
 $3 \times 8 = 24$  So 3 and 8 are factors of 24.

**TRY IT**

Write a factor pair for 36.

**REMEMBER**  
Factors make a product. A factor divides a number evenly, with no remainder.

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## Division

What Does "Share  
Equally" Mean?

**LEARN**

### What Does "Share Equally" Mean?

Sharing equally means splitting a total into a known number of equal shares.

**DEFINITION**  
**SHARE EQUALLY**  
When we share equally, every share receives the same amount. We know the total and the number of shares, and we can find the amount in each share.  
 $20 \div 5 = 4$

|      |      |      |      |      |
|------|------|------|------|------|
| 4    | 4    | 4    | 4    | 4    |
| each | each | each | each | each |

**LOOK FOR THESE CLUES**  
These phrases can give you clues. Read the whole question before you decide what to do.

|                                           |                                                |                                         |
|-------------------------------------------|------------------------------------------------|-----------------------------------------|
| <b>share equally</b><br>make equal shares | <b>among</b><br>between the number of shares   | <b>each gets</b><br>each share gets     |
| <b>same amount</b><br>same number         | <b>split equally</b><br>divide the equal parts | <b>how many each?</b><br>each share has |

**SEE IT IN A QUESTION**

Share 20 cookies among 5 children. How many cookies does each child receive?  
Inequal numbers 20, 5, 4  
 $20 \div 5 = 4$  Each child receives 4 cookies.

**TRY IT**

Share 27 pencils among 3 groups. How many pencils does each group receive?  
 $27 \div 3 =$

Write the number.

**REMEMBER**  
To equal sharing the number of shares is known. Division finds the amount in each share.

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Explicit teaching helps children understand math language and relationships before choosing an operation.

# Practise & Apply

**LEARN**

## What Does "Increase" Mean?

Increase means an amount becomes greater.

**DEFINITION**  
**INCREASE**  
When an amount increases, it becomes greater. Addition is one way to know how much it increases by.

$5 + 3 = 8$

**LOOK FOR THESE CLUES**  
These phrases can give useful clues. Read the whole question.

**LEARN**

## What Does "Sum" Mean?

The sum is the result we get after adding numbers.

**DEFINITION**  
**SUM**  
The sum is the result when two or more numbers are added.

$8 + 5 = 13$

**LOOK FOR THESE CLUES**  
These phrases can give useful clues. Read the whole question.

**find the sum**  
Find the result of adding.

**plus**  
Shows addition.

**SEE IT IN ACTION**  
Find the sum of 6 and 7.

Important maths word: **sum**

$6 + 7 = 13$

What is the sum?

$9 + 4 =$

Write your answer.

## Sharing or Grouping?

Read each problem. Write S for sharing or G for grouping. Then identify what the quotient represents.

1) 24 sweets are shared equally among 6 children. How many sweets does each child receive?

|        |                                   |
|--------|-----------------------------------|
| S OR G | WHAT DOES THE QUOTIENT REPRESENT? |
|        |                                   |

2) 24 sweets are packed into bags of 6. How many bags are needed?

**PRACTISE**

## Factor or Multiple?

Read each relationship carefully. Write F if the missing word is factor or M if it is multiple.

**USE THE RELATIONSHIP**

|                                           |  |
|-------------------------------------------|--|
| 1) $4 \times 5 = 20$ . 4 is a ____ of 20. |  |
| 2) $4 \times 5 = 20$ . 20 is a ____ of 4. |  |
| 3) $6 \times 7 = 42$ . 6 is a ____ of 42. |  |
| 4) $3 \times 9 = 27$ . 27 is a ____ of 9. |  |
| 5) $5 \times 8 = 40$ . 5 is a ____ of 40. |  |
| 6) $8 \times 4 = 32$ . 32 is a ____ of 8. |  |

**EXPLAIN ONE RELATIONSHIP**

Explain why 6 is a factor of 42 but 42 is a multiple of 6.

**ANSWERS**

dition vocabulary practice.

**S 20-25 • TEACHING-PAGE TRY IT**

are 4 fewer pears than apples.

n ribbon is 5 cm less than the 14 cm ribbon.

8.

s 11.

**QUESTIONS**

## Read, Different Question

Op. For each numbered sentence, decide whether more or less helps FIND A COMPARISON. Write A or B in the small box.

|                                                 |                                                                                    |
|-------------------------------------------------|------------------------------------------------------------------------------------|
| <b>NEW VALUE</b><br>Subtract the stated amount. | <b>B - DESCRIBE A COMPARISON</b><br>Two known values are compared with each other. |
|                                                 |                                                                                    |
|                                                 |                                                                                    |
|                                                 |                                                                                    |
|                                                 |                                                                                    |
|                                                 |                                                                                    |
|                                                 |                                                                                    |
|                                                 |                                                                                    |

**SENTENCE STRUCTURE**

ue. "13 is more than 8" describes how two known values compare.

**EMBER**  
ing used to find a new value or to describe a comparison.

Recognise • Match • Compare • Solve • Explain