

Strategy Showdown

Solve It Two Ways • Compare Methods • Choose the Best Strategy

BUILD • COMPARE • CHOOSE • APPLY

**US & UK
Editions**

Maths Strategy Showdown

Solve It Two Ways • Compare Methods • Choose the Best Strategy

BUILD → COMPARE → CHOOSE → APPLY

90

strategy challenges

4

operation families

23

worked-solution pages

30

activity pages

UK Edition • Years 4–6

58 pages • Full Worked Methods

BUILD
learn strategies

COMPARE
solve two ways

CHOOSE
select efficiently

APPLY
mixed reasoning

Addition • Subtraction • Multiplication • Division • Mixed Reasoning

Different methods can be equally correct. The goal is to choose a method that is accurate, efficient and easy to explain.

**58
pages**

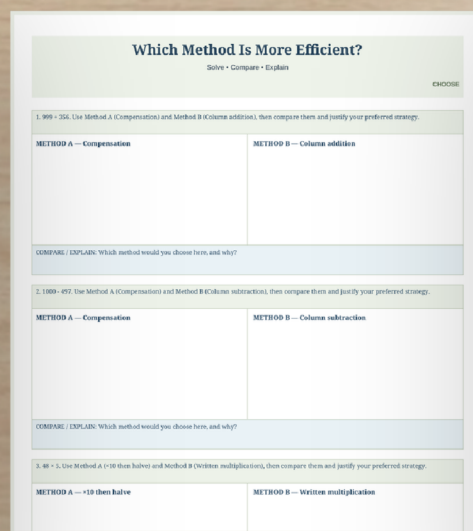
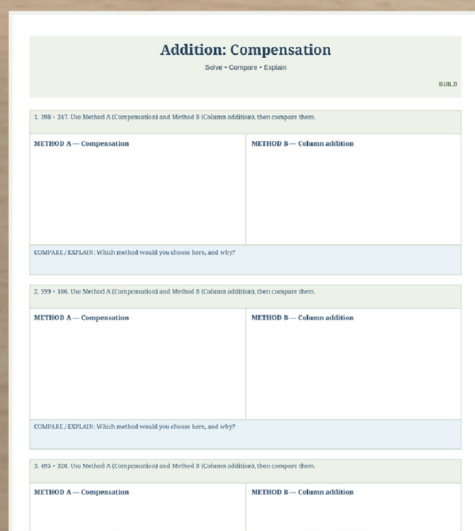
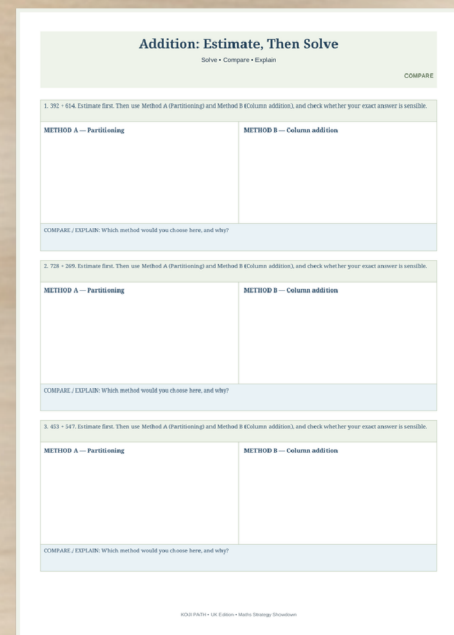
KOJI PATH • UK Edition • Maths Strategy Showdown

Addition • Subtraction • Multiplication • Division • Mixed Reasoning

What's Included

A Look Inside Both 58-Page Editions

- 30 Activity Pages in Each Edition
- 90 Strategy Challenges
- Addition, Subtraction, Multiplication & Division
- Build, Compare, Choose & Apply
- Reasoning, Strategy Choice & Explanation
- 23 Full Worked-Solution Pages in Each Edition



Build Flexible Mathematical Thinking

Can I Solve It Two Ways?

Which Method Is More Efficient?

How Can I Check My Answer?

Multiplication: Partitioning & Written Methods

Solve • Compare • Explain

COMPARE

1. 34 × 26. Use Method A (Partitioning / mental strategy) and Method B (Written multiplication), then compare them.

METHOD A — Partitioning / mental strategy

METHOD B — Written multiplication

COMPARE / EXPLAIN: Which method would you choose here, and why?

2. 47 × 23. Use Method A (Partitioning / mental strategy) and Method B (Written multiplication), then compare them.

METHOD A — Partitioning / mental strategy

METHOD B — Written multiplication

COMPARE / EXPLAIN: Which method would you choose here, and why?

3. 56 × 18. Use Method A (Partitioning / mental strategy) and Method B (Written multiplication), then compare them.

METHOD A — Partitioning / mental strategy

METHOD B — Written multiplication

COMPARE / EXPLAIN: Which method would you choose here, and why?

KS2 PATH • UK Edition • Maths Strategy Showdown

Addition: Choose the Strategy

Solve • Compare • Explain

CHOOSE

1. 69 + 296. Use Method A (Compensation) and Method B (Column addition), then compare them and justify your preferred strategy.

METHOD A — Compensation

METHOD B — Column addition

COMPARE / EXPLAIN: Which method would you choose here, and why?

2. 125 + 395. Use Method A (Mental strategy) and Method B (Column addition), then compare them and justify your preferred strategy.

METHOD A — Mental strategy

METHOD B — Column addition

COMPARE / EXPLAIN: Which method would you choose here, and why?

3. 642 + 128. Use Method A (Compensation) and Method B (Column addition), then compare them and justify your preferred strategy.

METHOD A — Compensation

METHOD B — Column addition

COMPARE / EXPLAIN: Which method would you choose here, and why?

KS2 PATH • UK Edition • Maths Strategy Showdown

Worked Solutions 01

Question • Two Methods • Strategy Note

WORKED SOLUTIONS

PS • 1
QUESTION 347 + 285

METHOD A
Partitioning

METHOD B
Column addition

ANSWER 632
STRATEGY NOTE: A mental method can be quicker with friendly numbers; the written method is a reliable way to check.

PS • 2
QUESTION 468 + 157

METHOD A
Partitioning

METHOD B
Column addition

ANSWER 625
STRATEGY NOTE: A mental method can be quicker with friendly numbers; the written method is a reliable way to check.

PS • 3
QUESTION 629 + 244

METHOD A
Partitioning

METHOD B
Column addition

ANSWER 873
STRATEGY NOTE: Partitioning is quick when place values split cleanly; column addition gives the same answer and is useful for checking.

PS • 4
QUESTION 398 + 247

METHOD A
Compensation

METHOD B
Column addition

ANSWER 645
STRATEGY NOTE: Compensation is efficient because one addend is near a round hundred; column addition is a reliable check.

Build • Compare • Choose • Apply • Explain

Full Worked Solutions

Worked Solutions 01
Question • Two Methods • Strategy Note

P5 • 1
QUESTION 347 + 285

METHOD A
Partitioning
Hundreds: $300 + 200 = 500$
Tens: $40 + 80 = 120$
Ones: $7 + 5 = 12$
Combine = 632

METHOD B
Column addition

$$\begin{array}{r} 347 \\ +285 \\ \hline 632 \end{array}$$

ANSWER 632
STRATEGY NOTE A mental method can be quicker with friendly numbers; the written method is a reliable way to check.

P5 • 2
QUESTION 468 + 157

METHOD A
Partitioning
Hundreds: $400 + 100 = 500$
Tens: $60 + 50 = 110$
Ones: $8 + 7 = 15$
Combine = 625

METHOD B
Column addition

$$\begin{array}{r} 468 \\ +157 \\ \hline 625 \end{array}$$

ANSWER 625
STRATEGY NOTE A mental method can be quicker with friendly numbers; the written method is a reliable way to check.

P5 • 3
QUESTION 629 + 244

METHOD A
Partitioning
Hundreds: $600 + 200 = 800$
Tens: $20 + 40 = 60$
Ones: $9 + 4 = 13$
Combine = 873

METHOD B
Column addition

$$\begin{array}{r} 629 \\ +244 \\ \hline 873 \end{array}$$

ANSWER 873

P6 • 1
QUESTION 398 + 247

METHOD A
Compensation
How it works: round to a friendly number, calculate, then undo the adjustment.

$$\begin{array}{r} 400 \\ +247 \\ \hline 647 \end{array}$$

Subtract 2:
 $647 - 2 = 645$

METHOD B
Column addition

$$\begin{array}{r} 398 \\ +247 \\ \hline 645 \end{array}$$

ANSWER 645

on: Choose the Strategy
Solve • Compare • Explain

Multiplication: Partition the Factor
Solve • Compare • Explain

METHOD B — Written multiplication

METHOD B — Written multiplication

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METHOD B — Written multiplication

See Both Methods • Compare Strategies • Check Your Answer