

Session 5: Maths

Lower Key Stage 2
(Years 3 & 4)

Learn Programme

Overview:

Inverse Operations

National Curriculum:

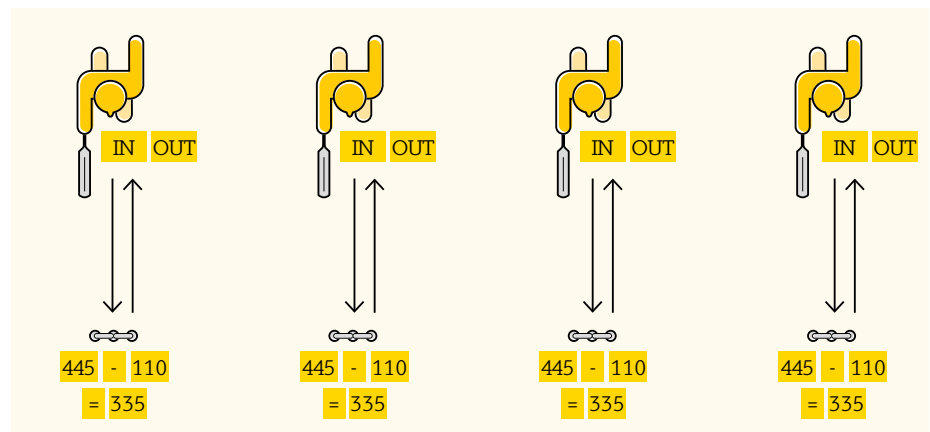
Pupils should be taught to estimate and use inverse operations to answer a calculation

In or Out?

A Starter

In or Out? – Part 1

Split class into teams of 4/5. Run with a bat – place in ‘crease’ before collecting a sum (written on cricket bat) – the team then work out if the sum answer is correct or incorrect. Place in the appropriate labelled hoop (**IN**) or (**OUT**).



R Resource Cricket Problem Cards

B Main Activity

In or Out? – Part 2

Complete the worksheets.

R Resource Inverse Operation Questions
Resource Answers: Inverse Operation

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C Star Challenge

Over to You!

Children devise own questions and make up an active game to play with them.

IN

correct



CHANCE TO SHINE
SCHOOLS



OUT

incorrect



CHANCE TO SHINE
SCHOOLS



$$\begin{array}{r} 445 \\ - 110 \\ \hline 335 \end{array}$$

$$\begin{array}{r} 1000 \\ - 200 \\ \hline 800 \end{array}$$





$$\begin{array}{r} 450 \\ + 450 \\ \hline 900 \end{array}$$

$$\begin{array}{r} 535 \\ + 425 \\ \hline 560 \end{array}$$





$$\begin{array}{r} 1000 \\ - 490 \\ \hline = 510 \end{array}$$

$$\begin{array}{r} 106 \\ + 106 \\ + 106 \\ \hline = 318 \end{array}$$





$$\begin{array}{r} 700 \\ + 205 \\ \hline = 1005 \end{array}$$

$$\begin{array}{r} 195 \\ + 450 \\ \hline = 655 \end{array}$$





$$\begin{array}{r} 406 \\ - 14 \\ \hline 390 \end{array}$$

$$\begin{array}{r} 800 \\ - 300 \\ \hline 400 \end{array}$$





$$\begin{array}{r} 700 \\ + \\ 700 \\ + \\ 700 \\ = \\ 1800 \end{array}$$

$$\begin{array}{r} 1800 \\ + \\ 700 \\ = \\ 2600 \end{array}$$





$$\begin{array}{r} 1000 \\ - 950 \\ \hline = 150 \end{array}$$

$$\begin{array}{r} 115 \\ + 50 \\ + 25 \\ \hline = 200 \end{array}$$





$$\begin{array}{r} 444 \\ + 400 \\ \hline = 844 \end{array}$$

$$\begin{array}{r} 125 \\ + 510 \\ \hline = 635 \end{array}$$



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In or Out?

B Main Activity: Part 2

Worksheet – Inverse Operations: + and -

Below are a set of mental maths questions.

- 1 A batter scored a six and two fours off three balls before she was out.
.....
What was her total score?
- 2 A batter has scored 82 runs.
.....
How many more runs does he needs to score to reach a century?
- 3 The opening pair scored 28 and 36 before one of them was out.
.....
How many did score between them?
- 4 A batter scored 23, 15, 9 and 12 in his last four games.
.....
How many runs has he scored in the four games?
- 5 The top score in the last game England played, was a score of 76. The lowest score was 7.
.....
How many more runs did the highest scorer get than the lowest scorer?
- 6 The first team scored 245 and the second team scored 212.
.....
By how many runs did the first team win by?
- 7 In 5 matches a bowler took 5, 3, 4, 2 and 4 wickets.
.....
How many did he take altogether?
- 8 The opposition scored 218 runs.
Your team is currently on 167
.....
How many more runs do they need to score?
- 9 The top three batsmen scored 113 between them.
The total score for the team was 189.
.....
How many runs did the rest of the team score between them?
- 10 A batter scored 76 of her runs through boundaries.
She scored 112 altogether.
.....
How many of her runs were not scored from boundaries?

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In or Out?

B Main Activity: Part 2

Answers – Inverse Operations Questions: + and -

Below are the answers to the set of inverse operation questions.

1. 14
2. 18
3. 64
4. 49
5. 69
6. 33
7. 18
8. 51
9. 76
10. 36