



YR6 PROGRESSION IN MASTERY LESSON PACK - ADD AND SUBTRACT INTEGERS

FLUENCY 1

Calculate

6	7	3	4	0
+	7	9	6	2

2	1	0	9	4
+	5	8	9	8

9	2	6	4	1
+	6	7	9	5

FLUENCY 2

Use an efficient method to calculate the following.

$$2,345 + 9,999$$

$$23,856 + 2098$$

$$19,992 + 7,368$$

FLUENCY 3

Find the total cost of these two houses.



£223,299



£356,550





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FLUENCY 4

Calculate

2	7	0	4	1
-	7	9	6	2

7	1	0	9	4
-	8	8	2	8

6	0	6	4	1
-	6	9	6	2

FLUENCY 5

Use an efficient method to calculate the following.

$$54,329 - 2,481$$

$$10,632 - 997$$

$$99,120 - 5,520$$

FLUENCY 6

Southton FC's new stadium has 65,000 seats and their recent cup game was a sell out!



If 54,762 home fans attended the match, how many tickets were sold to the away fans?

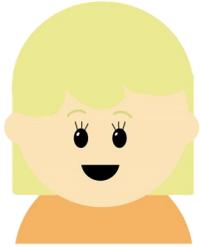




REASONING 1

Jane says...

“All the missing digits in this calculation are the same”.



$$\begin{array}{r}
 \square 8 \square 2 \square \\
 + 4 \square 6 \square 5 \\
 \hline
 70847
 \end{array}$$

Is she correct? Explain why / why not!

REASONING 2

Convince Me!

32,716 + 41,918

>

41,293 + 32,045

REASONING 3

Always, Sometimes or Never?

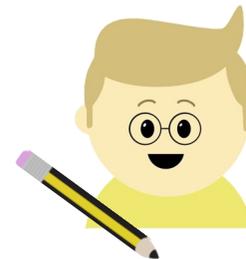


If you add any two six-digit numbers together, the answer will be a seven-digit number.

Explain your reasoning!

REASONING 4

Spot the mistake!



$$\begin{array}{l}
 51,746 - 2,900 = ? \\
 51,746 - 3,000 = 48,746 \\
 48,746 - 100 = 48,646
 \end{array}$$

Explain where Alfie has gone wrong.





Player 1

+

PROBLEM SOLVING 1

This is a two-player game.

Choose or generate a four-digit target number.

Compete with a partner to see who can arrange the digits 1-9 to create three three-digit numbers with the closest total to the target number.

Target Number

Player 2

+

What strategy will you use?

1	2	3	4	5	6	7	8	9
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