



	Player 1	Player 2	P1 Score	P2 Score																								
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$$\begin{array}{r}
 \square 9 \square \\
 + \square \square 6 \\
 \hline
 349
 \end{array}$$

Fill in the missing digits.

$$3\square - \square 2 = \square 8$$

$$\begin{array}{r}
 73\square \\
 + \square 46 \\
 \hline
 \square 0 \square 5
 \end{array}$$

Fill in the missing digits.

$$\square 2 \square - \square 2 = 99$$

$$\begin{array}{r}
 34\square \\
 - \square \square 2 \\
 \hline
 \square 94
 \end{array}$$

Fill in the missing digits.

## How many ways?

The missing numbers are positive whole numbers.

$$25 + \square = 32 - \square$$

Fill in the missing numbers.

Level 1: I can find a way

Level 2: I can find different ways

Level 3: I know how many ways there are



Wednesday 09.12.20

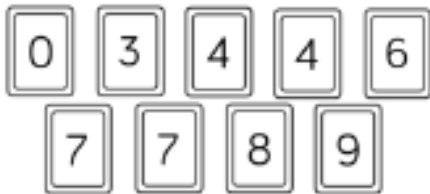
Spicy+



MPI: Recognising when to use addition or subtraction.

Use a page in your book to solve these challenges, journaling your thinking.

1. Use the digit cards to complete the calculation.




The digits in the shaded boxes are odd.

Is there more than one answer?

6. How many 2 digit subtract 2 digit calculations can you find where the answer is 14?

$$\begin{array}{r} ?? \\ - ?? \\ \hline 14 \end{array}$$

2.

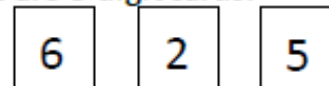
200		
29		71

3.  $555 - 299 = 444 - \square$

4.

□		
71		□
23		119

5. • Here are 3 digit cards.



Ian and Roy each make a 2 digit number using them.

I have made the biggest number possible

I have made the smallest number possible

Ian

Roy

What is the difference between their numbers?

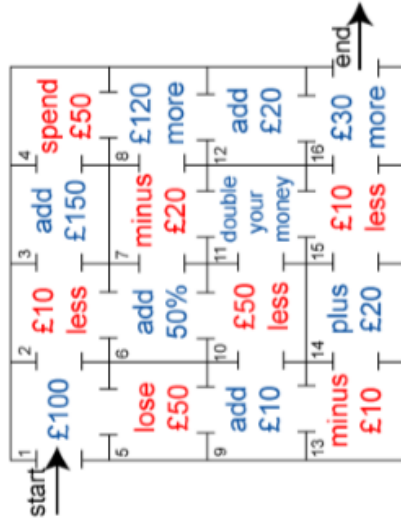


Thursday 10.12.20

MPI: Solving problems involving addition and subtraction.

Age 7 to 11 ★

Go through the maze, collecting and losing your money as you go. You may not go through any cell more than once, and can only go into a cell through a gap, for example, you may not go from 5 to 6, or from 7 to 3.



Which route gives you the highest return? How much is it?  
Which route gives you the lowest return? How much is it?

- Working systematically.
- Addition & subtraction. Generalising.
- Money. Calculating with percentages. Investigations. **Combinations.** Factors and multiples. Trial and improvement.
- Multiplication & division.**

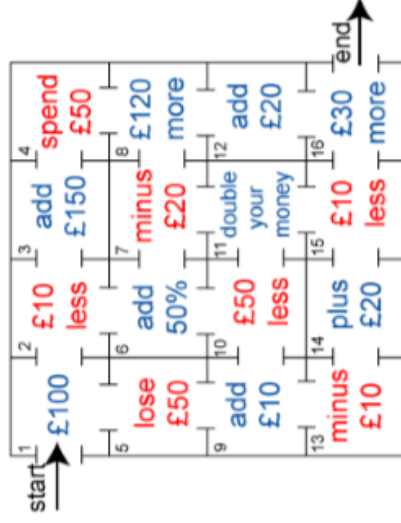


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- Multiplication & division.**



Solve these word problems.

- 1 Laura spends £1.75 on a birthday card and £1.99 on wrapping paper for her mum's birthday present. How much does she spend altogether?
- 2 An adult ticket for a football match costs £3.80 more than a child's ticket. If the child's ticket costs £14.60, how much does the adult ticket cost?
- 3 Sue saw a book she liked for £7.99. In the sale it was reduced by £2.49. What was the reduced price of the book?
- 4 Sam has £27.13 in his wallet. He buys a DVD for £14.99. How much money does he have left?
- 5 Parveen went to the cinema. She spent £4.25 on her ticket, £2.50 on popcorn and £1.20 on a bottle of water. How much change did she get from £10?
- 6 At a theme park the entrance fees are £4 for a child and £8.50 for an adult. Rides cost £3 each. If a man and his 10-year-old son have £25 to spend in total, how many rides can they go on after paying the entrance fees?
- 7 A bookshop has a sale. Books that cost £7.49 are reduced by £3.99. How much does it cost to buy two of these books in the sale?
- 8 Books that cost £8.99 are reduced by £2.50. How much change from £20 does Min get if he buys three of these books in the sale?



Write a word problem for your partner. It must be one that makes them do two separate calculations.



I am confident with solving problems involving subtracting and adding money using mental methods.





Solve these word problems.

- 1 Zara had £20. She bought a cake for her grandad's birthday party. It cost £4.85. Zara also bought him a present for £7.95 and wrapping paper for 40p. How much money does she have left?
- 2 Maria was given a charm bracelet for her birthday. Her sister gave her three charms which cost £8.99 each. She bought a gift box to put the charms in, which cost £2. How much did Maria's sister spend altogether?
- 3 Tom has £9.53 in his money box and £14.14 in his wallet. He wants to buy a present for his mum that costs £24.99. Does he have enough money and, if not, how much more will he need?
- 4 For her birthday Sadie was given a new bike and £30 in spending money. She went shopping with the money and bought a cycle helmet for £14.34 and a pair of gloves for £6. Does she have enough money left to buy shin pads that cost £9.50?
- 5 Isabella went to a football match. She bought a programme for £3.50, a drink for £2.99 and a pie for £2.40. If she went home with £7.25, how much money did she take to the match?
- 6 Abshly wants to buy a box-set of his favourite TV series. He sees it in a shop for £29.99 but with £2 off in a sale. He looks online and finds the same series for £22.48 plus £4.99 delivery. Which option is cheaper and by how much?



Write a word problem for your partner. It must be one that makes them do one addition and one subtraction.



I am confident with solving problems involving subtracting and adding money using mental methods.