



MATHS MAZE - 1

For 2 players. You will need: 1 x counter, 1 x 1-6 dice, pencils, paper.

How to Play...

- All players begin with 250 points
- Place the counter on the 'Start with 250' box - both players will move this counter during the game
- Players should take it in turns to roll the dice
- The number rolled is the number of moves the player can take in any direction, but they cannot go onto the same square more than once during a turn!
- The player who rolled should look at the instructions they land on, work out their new score, and record it in their box
- Players should try to work out the calculations mentally using informal jottings
- If players end up with an answer that is a decimal, they should round it to the nearest whole number



The winner is the first person to score over 1,000 points!

Start with 250	Add the number of days in two weeks	Subtract the number of minutes in half an hour	Add double 4×6	Subtract the no. of months in 3 years
Subtract 70		Subtract 110		Add the number of hours in 2 days
Double your number	Add double 35	Add the number of degrees in a right angle	Subtract the number of days in September	Double your number and add 100
Subtract 50% of your score		Double your number		Subtract your age $\times 2$
Subtract 25	Add 25% of 200	Add 10% of your score	Multiply your score by 3	Add double 65

Player 1

Player 2



Target:

Can I perform mental calculations with mixed operations and large numbers?

Step 1

With support and models and images, I can begin to use some mental methods to help solve problems using mixed operations

Step 2

I am becoming more confident at using mental methods to solve problems with the help of models and images



MATHS MAZE - 2

For 2 players. You will need: 1 x counter, 1 x 1-6 dice, pencils, paper.

How to Play...

- All players begin with 500 points
- Place the counter on the 'Start with 500' box - both players will move this counter during the game
- Players should take it in turns to roll the dice
- The number rolled is the number of moves the player can take in any direction, but they cannot go onto the same square more than once during a turn!
- The player who rolled should look at the instructions they land on, work out their new score, and record it in their box
- Players should try to work out the calculations mentally using informal jottings
- If players end up with an answer that is a decimal, they should round it to the nearest whole number



The winner is the first person to score over 1,500 points!

Start with 500	Add the number of days in a year	Subtract the number of minutes in two and a quarter hours	Add double 7×8	Subtract the number of months in 11 years
Subtract 150		Subtract 222		Add the number of hours in 5 days
Subtract 35	Add double 75	Add the number of degrees on a straight line	Subtract the number of days in September	Double your number and subtract 50
Subtract 20% of your score		Double your number		Subtract your age $\times 5$
Triple your number	Add 200 minus the number of days in March	Add 10% of your score	Add a quarter of your score	Add 7^2

Player 1

Player 2



Target:

Can I perform mental calculations with mixed operations and large numbers?

Step 1

I can begin to use some mental methods to help solve problems using mixed operations

Step 2

I am becoming more confident at using mental methods to solve a range of problems



MATHS MAZE - 3

For 2 players. You will need: 1 x counter, 1 x 1-6 dice, pencils, paper.

How to Play...

- All players begin with -750 points
- Place the counter on the 'Start with -750' box - both players will move this counter during the game
- Players should take it in turns to roll the dice
- The number rolled is the number of moves the player can take in any direction, but they cannot go onto the same square more than once during a turn!
- The player who rolled should look at the instructions they land on, work out their new score, and record it in their box
- Players should try to work out the calculations mentally using informal jottings
- If players end up with an answer that is a decimal, they should round it to the nearest whole number



The winner is the first person to score over 1,000 points!

Start with -750	Add the number of days in a year plus half a leap year	Subtract the number of minutes in $3\frac{3}{4}$ hours	Add double 70×0.8	Subtract the number of months in $7\frac{1}{4}$ years
Subtract 300×0.07		Multiply your number by 7.5%		Multiply your number by 0.75
Multiply your number by 1.5	Add triple 79	Add the number of degrees in $\frac{3}{4}$ of a turn	Subtract the number that is $\frac{1}{8}$ of a litre (in millilitres)	Add the number of metres in a mile
Subtract 20% of your score		Multiply your number by 1.1		Subtract your age $\times 5\frac{1}{2}$
Divide by 1.25	Add 200 minus the number of days in March	Add 15% of your score	Add $\frac{3}{8}$ of your score	Add 7^2 plus 9^2

Player 1

Player 2



Target:

Can I perform mental calculations with mixed operations and large numbers?

Step 1

I can mainly use mental methods to help solve problems using mixed operations and negative numbers

Step 2

I am confident in using mental methods to solve problems that use mixed operations