

Round to 10, 100 and 1,000

Squares in a magic maze steal or give gold coins to Merlin. If he starts the maze with 1,564 coins, explore whether there is more than one route Merlin can take so that he finishes the maze with between 3,000 and 4,000 coins.

Start	Round to nearest 10	- 567	Round to nearest 100	+ 1,789
Round to nearest 10	+ 415	Round to nearest 10	+ 769	Round to nearest 10
- 415	Round to nearest 100	x 2	Round to nearest 100	+ 555
Round to nearest 10	÷ 2	+ 1,009	+ 2,549	Round to nearest 1,000
+ 561	Round to nearest 100	- 1,531	Round to nearest 1,000	End

Round to 10, 100 and 1,000

Squares in a magic maze steal or give gold coins to Merlin. If he starts the maze with 1,564 coins, explore whether there is more than one route Merlin can take so that he finishes the maze with between 3,000 and 4,000 coins.

Various routes,
for example:

Start	Round to nearest 10 - 567	Round to nearest 100 + 1,789
Round to nearest 10 + 415	Round to nearest 10 + 769	Round to nearest 10 - 415
Round to nearest 100 x 2	Round to nearest 100 + 555	Round to nearest 10 ÷ 2
Round to nearest 10 + 1,009	Round to nearest 1,000 + 2,549	Round to nearest 1,000 + 561
Round to nearest 100 - 1,531	Round to nearest 1,000 End	