PLACE VALUE AND DECIMALS

RIDDLE CHALLENGE CARDS

Card 1

Decimal Place Value Riddle

What is the number?

- the number has 2 digits
- the number is less than 10
- the tenths digit is 1 more than the ones digit
- the digits add up to 7

NOW round your answer to the nearest whole number

1

Card 2

Decimal Place Value Riddle

What is the number?

- the number has 2 digits
- the number is more than 5
- the ones digit is more than double the tenths digit
- the digits add up to 11
- the ones digit is even

NOW round your answer to the nearest whole number

2

Card 3

Decimal Place Value Riddle

What is the number?

- the number has 3 digits
- the number is less than 30
- the tenths digit is equal to the sum of the tens and ones digits
- the number has odd and even digits
- the number is greater than 20
- the ones digit is half of 10

NOW round your answer to the nearest whole number

3

Card 4

Decimal Place Value Riddle

What is the number?

- the number has 3 digits
- the number is greater than 70
- the sum of the tens and ones digits is 10
- none of the digits are greater than 7
- the tenths digit is one less than the tens digit

NOW round your answer to the nearest whole number

4

Answer Table

	ANSWER
1	3.4
	3
2	
3	
4	

Card 5

Decimal Place Value Riddle

What is the number?

- the number has 3 digits
- the number is less than 10
- one of the digits is a 0
- the sum of all the digits is 9
- add 0.98 to the number to get a whole number

NOW round your answer to the nearest tenth

5

Card 6

Decimal Place Value Riddle

What is the number?

- the number has 3 digits
- the number is less than 5
- the ones digit is half of the tenths digit
- one of the digits is a 1
- two of the digits are even
- the number is greater than 3

NOW round your answer to the nearest tenth

6

Card 7

Decimal Place Value Riddle

What is the number?

- the number has 4 digits
- the number is less than 100
- one of the digits is an odd number
- the hundredths digit is the sum of the tens and ones digits
- the tens digit is three times the ones digit
- the tens digit is two times the tenths digit

NOW round your answer to the nearest tenth

7

Card 8

Decimal Place Value Riddle

What is the number?

- the number has 4 digits
- the number is less than 20
- the only even digit is in the hundredths place
- the tenths digit is 2 more than the ones digit
- the tens digit is a quarter of the hundredths digit
- the tenths digit is nine times the tens digit

NOW round your answer to the nearest tenth

8

	ANSWER
5	
6	
7	
8	