



Place Value Pandemonium!

Have fun with this fast moving game and get to grips with place value. It can also help you to practise decimal place value and converting fractions into decimals.

You will need:

- Place Value Chart (one per player)
- Digit Cards and Game Cards, printed on thin card
- Answer sheet
- Stop watch (for 1 player game)

What to do

- Cut out the Game Cards and Digit Cards. (Check with an adult before using scissors.)
- Give each player a Place Value Chart and a set of Digit Cards. Place the Game Cards face down in a pile between the players. Leave the answer sheet face down except when an answer is being checked.

To play with one player:

- Use a watch or timer to see how many of the Game Card numbers you can make in 1 minute. Next time, see if you can beat your score.

To play with more than one player:

- Turn over the top Game Card.
- Read the number on the Game Card and race to make this number on the Place Value Chart, using the Digit Cards.
- The first person to make the number shouts out 'Pandemonium!' and everyone stops.
- If the number is made correctly, you keep the Game Card. If not, the other players can have a go at making the number. If nobody makes the number correctly, the card goes back to the bottom of the pile. To check if the number is correct, players can use the answer sheet.
- The winner is the person with the most Game Cards when all the Game Cards have been taken.

Want a challenge? Try playing without the Place Value Chart – just make the numbers with the Digit Cards alone.

Place Value Chart

	$\frac{1000}{-}$	
	$\frac{100}{-}$	
	$\frac{10}{-}$	
	●	●
Ones		
Tens		
Hundreds		
Thousands		
Ten-thousands		
Hundred-thousands		
Millions		
Ten-millions		
Hundred-millions		

Digit Cards



0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8

Game Cards Sheet 1



fifty-eight	one hundred and seven	three hundred and nineteen	six hundred and seventy
eight hundred and twelve	two thousand, four hundred and sixty-three	five thousand and twenty-seven	seven thousand, three hundred and four
nine thousand and one	thirteen thousand, five hundred and forty-eight	twenty-three thousand and ninety-five	eighty-six thousand, one hundred and twelve

Game Cards Sheet 2



one point one	twenty-nine point three	one thousand and sixty-seven point two eight	zero point zero six five
three tenths	five and six tenths	nineteen and one tenth	forty-nine hundredths
eighteen hundredths	seven and nine hundredths	eighty-six and four tenths	three hundred and twenty, and sixty-four hundredths

Game Cards Sheet 3



one hundred and seven thousand	two hundred and nineteen thousand and fifty-two	six hundred thousand, three hundred and seven	five thousandths
one hundred and twenty-three thousandths	two and fifty-eight thousandths	one hundred and nineteen, and eighty-five thousandths	sixteen thousand, nine hundred and two, and forty-four hundredths
one million, twelve thousand and three	eight million, sixty-one thousand and five	twenty-seven million, twelve thousand and thirteen	seven hundred and six million, one hundred and four thousand and five, and seven tenths

Answer Sheet

Here the numbers from the Game Card Sheets are given in the order they appear on each sheet, with the number in digits next to the number in words.

Game Cards Sheet 1		Game Cards Sheet 2		Game Cards Sheet 3	
Words	Digits	Words	Digits	Words	Digits
fifty-eight	58	one point one	1.1	one hundred and seven thousand	107,000
one hundred and seven	107	twenty-nine point three	29.3	two hundred and nineteen thousand and fifty-two	219,052
three hundred and nineteen	319	one thousand and sixty-seven point two eight	1067.28	six hundred thousand, three hundred and seven	600,307
six hundred and seventy	670	zero point zero six five	0.065	five thousandths	0.005
eight hundred and twelve	812	three tenths	0.3	one hundred and twenty-three thousandths	0.123
two thousand, four hundred and sixty-three	2463	five and six tenths	5.6	two and fifty-eight thousandths	2.058
five thousand and twenty-seven	5027	nineteen and one tenth	19.1	one hundred and nineteen, and eighty-five thousandths	119.085
seven thousand, three hundred and four	7304	forty-nine hundredths	0.49	sixteen thousand, nine hundred and two, and forty-four hundredths	16,902.44
nine thousand and one	9001	eighteen hundredths	0.18	one million, twelve thousand and three	1,012,003
thirteen thousand, five hundred and forty-eight	13,548	seven and nine hundredths	7.09	eight million, sixty-one thousand and five	8,061,005
twenty-three thousand and ninety-five	23,095	eighty-six and four tenths	86.4	twenty seven million, twelve thousand and thirteen	27,012,013
eighty-six thousand, one hundred and twelve	86,112	three hundred and twenty, and sixty-four hundredths	320.64	seven hundred and six million, one hundred and four thousand and five, and seven tenths	706,104,005.7