

# Perfect Pressing Place Value



## Read Write and Say Numbers

This booklet of activities is designed to encourage students to read write and say numbers correctly.

According to the Australian Mathematics Curriculum students are expected to:

- Recognise, represent and order numbers to ..... (*depending on year level*) reproducing numbers in words using their numerical representations, and vice versa

## Task Cards

To complete the task cards in this booklet students will need to:

- read the number in words
- enter the number correctly into the calculator
- complete the calculation
- check their answer and repeat the calculation if necessary
- write the number in words **and** numerals

## Variations

- Students work in pairs with one student reading the numbers on the card to the other student to enter into the calculator.
- cards may be shown on the screen to the whole class as a warm up.



## Perfect Pressing

1

Enter each number into the calculator and press '+' between entering each number. Once you have pressed '=' your total should match the given answer.

**Two hundred and nine**

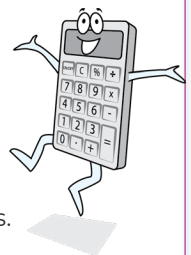
**Sixty-one**

**One hundred and eleven**

**Sixteen**

**Six hundred and three**

Write the number in words and numerals.



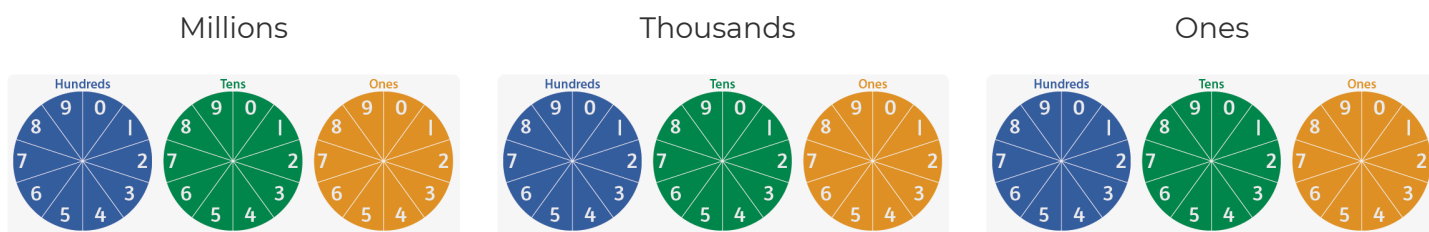
## Australian Curriculum Links

Year	Curriculum Links	
Year 3	ACMNA052	Recognise, model, represent and order numbers to at least 10 000 reproducing numbers in words using their numerical representations and vice versa
Year 4	ACMNA072 ACMNA079	Recognise, represent and order numbers to at least tens of thousands reproducing five-digit numbers in words using their numerical representations, and vice versa Recognise that the place value system can be extended to tenths and hundredths. Make connections between fractions and decimal notation
Year 5	ACMNA104	Recognise that the place value system can be extended beyond hundredths recognising the equivalence of one thousandths and 0.001

### Reading Whole Numbers

- Other than the teen numbers, reading numbers follows a predictable pattern
- Whole numbers are read in a repeating Hundreds Tens Ones, Hundreds Tens Ones pattern. That is, Hundreds of Millions, Tens of Millions, Ones of Millions, Hundreds of Thousands, Tens of Thousands, Ones of Thousands, Hundreds, Tens and Ones. The number 745 632 is read as "Seven hundred and forty-five thousand six hundred and thirty-two."

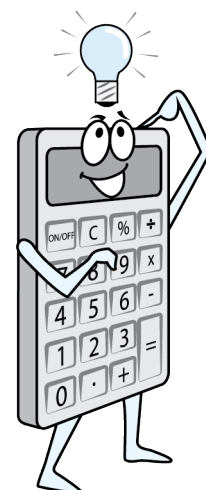
Students who say "Seven four five six three two" when saying 745 632 are not reading the number, but in effect, just spelling the number. Joining a series of Hundreds Tens Ones Spinners will help students explore this pattern.



### Decimal Fractions

From Year four onwards students are expected to 'read decimal fractions'. A number like 6.4 would be read as "six and four tenths". The number 5.32 would be read as "five and 32 hundredths". Note the whole number part is read first and then the right-most digit has to be considered to determine the place. Reading the number this way will help to reinforce fractional understanding. Students may already be in the habit as referring to this number as "five point three two" - ask them to explain what the .32 part means to check their understanding.

Watch for students who incorrectly read 5.32 as "five point thirty-two."



# Perfect Pressing

1

Enter each number into the calculator and press '+' between entering each number. Once you have pressed '=' your total should match the answer.

**Two hundred and nine**

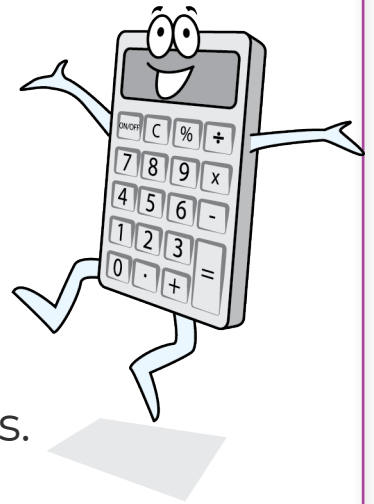
**Sixty-one**

**One hundred and eleven**

**Sixteen**

**Six hundred and three**

Write the number in words and numerals.



# Perfect Pressing

2

Enter each number into the calculator and press '+' between entering each number. Once you have pressed '=' your total should match the answer.

**One thousand one hundred and one**

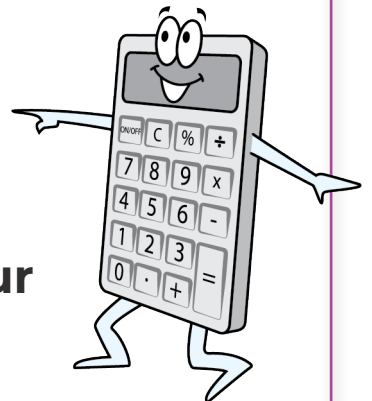
**One thousand and eleven**

**One thousand and one**

**One thousand one hundred and eleven**

**Four thousand six hundred and sixty-four**

Write the number in words and numerals.



## Perfect Pressing

3

Enter each number into the calculator and press '+' between entering each number. Once you have pressed '=' your total should match the answer.

**Ten thousand and one**

**Ten thousand one hundred**

**Ten thousand and eleven**

**Eleven thousand and eleven**

**One thousand one hundred**

Write the number in words and numerals.



## Perfect Pressing

4

Enter each number into the calculator and press '+' between entering each number. Once you have pressed '=' your total should match the answer.

**Thirteen thousand**

**Three thousand and six**

**Thirty-two thousand and thirty**

**Thirteen hundred.**

Write the number in words and numerals.



# Perfect Pressing

5

Enter each number into the calculator and press '+' between entering each number. Once you have pressed '=' your total should match the answer.

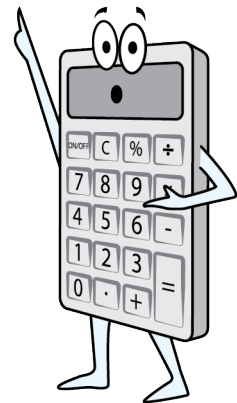
**Five thousand and fifty**

**Sixteen hundred**

**Fourteen thousand six hundred and ten**

**Nine thousand and seventy**

Write the number in words and numerals.



# Perfect Pressing

6

Enter each number into the calculator and press '+' between entering each number. Once you have pressed '=' your total should match the answer.

**Twenty-seven thousand four hundred and two**

**One hundred and two thousand and sixty**

**Eighty-seven thousand and eighteen**

**One-hundred and five thousand seven hundred and forty**

Write the number in words and numerals.

## Perfect Pressing

7

Enter each number into the calculator and press '+' between entering each number. Once you have pressed '=' your total should match the answer.

**Nine hundred and ninety-four thousand and fourteen**

**One million seven hundred and twenty thousand three hundred and eighty nine**

**One and a half million**

**Seven hundred and eighty-five thousand five hundred and ninety-seven**

Write the number in words and numerals.

## Perfect Pressing

8

Enter each number into the calculator and press '+' between entering each number. Once you have pressed '=' your total should match the answer.

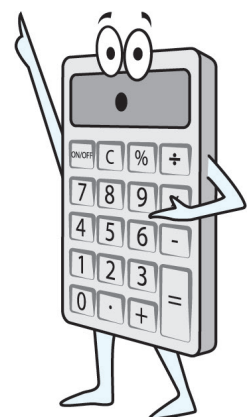
**One and seven-tenths**

**Fourteen and two tenths**

**One hundred and one-tenth**

**Fifteen hundred and sixteen hundredths**

Write the number in words and numerals.



# Perfect Pressing

9

Enter each number into the calculator and press '+' between entering each number. Once you have pressed '=' your total should match the answer.

**Six and six tenths**

**Six and six hundredths**

**Sixteen and sixteen hundredths**

**Sixty and six tenths**

Write the number in words and numerals.



# Perfect Pressing

10

Enter each number into the calculator and press '+' between entering each number. Once you have pressed '=' your total should match the answer.

**Ten and nine tenths**

**Eleven and three hundred and forty-five thousandths**

**Twenty-two and seventy-five hundredths**

**Four thousandths**

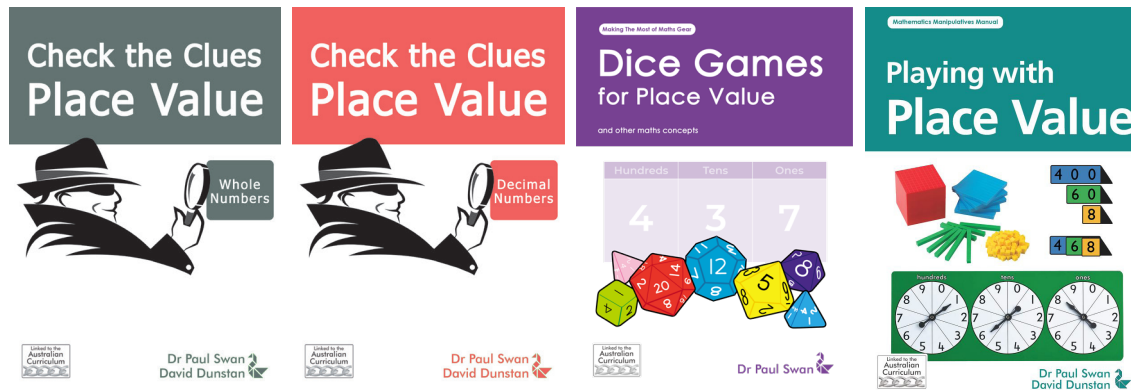
Write the number in words and numerals.



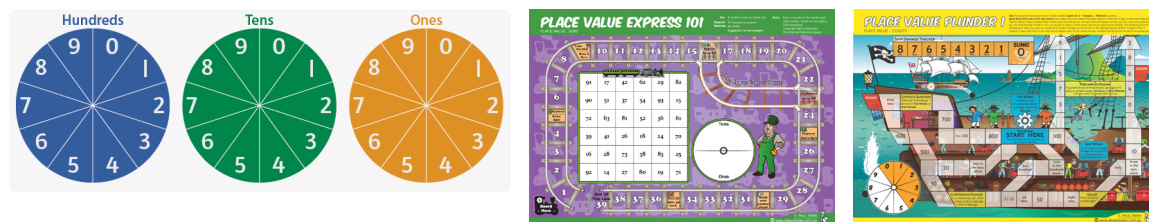
# Answers

- One thousand, 1000
- Eight thousand eight hundred and eighty-eight, 8 888
- Forty two thousand two hundred and twenty-three, 42 223
- Forty nine thousand three hundred and thirty-six, 49 336
- Thirty thousand three hundred and thirty, 30 330
- Three hundred and twenty two thousand two hundred and twenty-two, 322 220
- Five million, 5 000 000
- One thousand six hundred and sixteen and sixteen hundredths, 1 616.16
- Eighty-nine and forty-two hundredths, 89.42
- Forty four and nine hundred and ninety-nine thousandths, 44.999

## Further Dr Paul Swan Place Value Materials



Check the Clues Place Value: Whole Numbers      Check the Clues Place Value: Decimal Numbers      Dice Games for Place Value      Playing with Place Value



Hundreds Tens Ones Spinners      Place Value Express Game      Place Value Plunder Game

## Other Related Items

