

WA4MNAPV1

Understanding number

Core + Challenge

Reading & Writing Large Numbers

I can read, write, order and round whole numbers to at least 100,000.

Name: _____ Date: _____ Score: / 53

Key idea

Reading large numbers: group digits in threes from the right — thousands, then units. **68,452** = 6 ten-thousands + 8 thousands + 4 hundreds + 5 tens + 2 units = *sixty-eight thousand, four hundred and fifty-two*

Rounding: look at the digit to the right of the place you're rounding to — 5 or more rounds up, below 5 stays the same, and every digit to the right becomes zero.

A Fluency *practise the skill*

/16 marks

Q1–8 write in words or numerals as shown. Q9–16 use place value and rounding.

1. Write 45,218 in words. _____
2. Write 7,903 in words. _____
3. Write *thirty-two thousand, six hundred and fourteen* in numerals. _____
4. Write *ninety thousand and five* in numerals. _____
5. What is the value of the digit 7 in 72,348? _____
6. What is the value of the digit 4 in 81,462? _____
7. Write the number that is 1,000 more than 56,230. _____
8. Write the number that is 100 less than 40,050. _____
9. Round 48,650 to the nearest 1,000. _____
10. Round 29,480 to the nearest 100. _____
11. Round 73,218 to the nearest 10,000. _____
12. Write the number that is 10 more than 29,999. _____
13. Which digit is in the ten-thousands place in 58,274? _____
14. Which digit is in the hundreds place in 90,316? _____
15. Write the number made from 3 ten-thousands, 5 thousands, 2 hundreds, 0 tens, 6 units. _____
16. Expand 61,407 into ten-thousands, thousands, hundreds, tens and units. _____

B Core *apply the skill to problems*

/21 marks

1

A stadium has a seating capacity of 68,452. Write this number in words, then state the value of the digit 6.

[3 marks]

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Answer: _____

2

The population of a town was 45,900 in 2020. By 2024 it had grown by 2,350. What is the new population? Round your answer to the nearest 1,000.

[4 marks]

Answer: _____

3

Order these distances (in metres) from shortest to longest: 12,604m, 12,460m, 12,046m.

[3 marks]

Answer: _____

4

A charity raised \$54,720 in one year and \$6,830 more the next. How much did it raise in the second year? Write your answer in words.

[4 marks]

Answer: _____

5

A number has 4 ten-thousands, 0 thousands, 7 hundreds, 3 tens and 9 units. Write the number in numerals, then in words.

[3 marks]

Answer: _____

6

Jade says that 70,499 rounds to 71,000 when rounded to the nearest 1,000. Is she correct? Round the number correctly and explain her mistake.

[4 marks]

Answer: _____

C**Reasoning** *explain, justify and check***/9 marks****1**

Explain why 45,000 means the same thing whether or not you write the comma.

[2 marks]**2**

Sam wrote 8,090 as "eight thousand, nine hundred." Explain his error and give the correct words.

[2 marks]**3**

A number rounds to 60,000 when rounded to the nearest 10,000. Give two different numbers it could have been, and explain your reasoning.

[2 marks]**4**

Explain, using place value, why $29,999 + 1 = 30,000$ — describe what happens to each place value column.

[3 marks]**D****Challenge** *multi-step and problem-solving***/7 marks****1**

Using the digits 2, 5, 8, 0, 6 once each, write the largest possible 5-digit number and the smallest possible 5-digit number. (The number cannot start with 0.)

[2 marks]

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Answer: _____

2

Find a number that rounds to 50,000 when rounded to the nearest 10,000, **and** rounds to 49,500 when rounded to the nearest 100.

[2 marks]

Answer: _____

3

A stadium's attendance is a 5-digit number. The ten-thousands digit is 4, the thousands digit is double the ten-thousands digit, the hundreds digit is 0, and when rounded to the nearest 1,000 it gives 48,000. Find a number that fits all the clues, and explain how you worked it out.

[3 marks]

Answer: _____

How did I go?

Fluency ___/16 Core ___/21 Reasoning ___/9 Challenge ___/7 **Total ___/53**

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