Year 5 · Number: Big Numbers & Place Value

Name: _____ Date: _____

This sheet is all about large whole numbers, reading them, rounding them, and finding factor pairs. Take your time and show your working.

Warm-up

1. Write the number four hundred and six thousand, two hundred and ninety in digits.

2. What is the value of the digit 7 in 573,148?

3. Round 48,637 to the nearest thousand.

4. Which is larger: 205,600 or 250,060?

Practice

5. Order these from smallest to largest: 90,900 99,090 90,090 99,900

6. Round 736,482 to the nearest hundred thousand.

7. List all the factor pairs of 24.

8. A stadium holds 84,000 people. Round this to the nearest ten thousand.

9. Count backwards from 3 in steps of 1 through zero, writing the next four numbers: 3, 2, 1, 0, ...

10. Start at 45,600 and count on in 10,000s. Write the next three numbers.

Challenge

11. I am a 6-digit number. Rounded to the nearest hundred thousand I am 500,000. Rounded to the nearest ten thousand I am 470,000. Give one number I could be.

12. Find two different whole numbers between 1 and 10 whose product is 36, then write both factor pairs of 36 that use only numbers from 1 to 10.

Answer key (for parents and tutors)

1. Write the number four hundred and six thousand, two hundred and ninety in digits.
   406,290
2. What is the value of the digit 7 in 573,148?
   70,000 (seventy thousand)
3. Round 48,637 to the nearest thousand.
   49,000 (the hundreds digit is 6, so round up)
4. Which is larger: 205,600 or 250,060?
   250,060
5. Order these from smallest to largest: 90,900 99,090 90,090 99,900
   90,090; 90,900; 99,090; 99,900
6. Round 736,482 to the nearest hundred thousand.
   700,000 (the ten-thousands digit is 3, so round down)
7. List all the factor pairs of 24.
   1 and 24, 2 and 12, 3 and 8, 4 and 6
8. A stadium holds 84,000 people. Round this to the nearest ten thousand.
   80,000
9. Count backwards from 3 in steps of 1 through zero, writing the next four numbers: 3, 2, 1, 0, ...
   -1, -2, -3, -4
10. Start at 45,600 and count on in 10,000s. Write the next three numbers.
    55,600; 65,600; 75,600
11. I am a 6-digit number. Rounded to the nearest hundred thousand I am 500,000. Rounded to the nearest ten thousand I am 470,000. Give one number I could be.
    Any number from 465,000 to 469,999 (e.g. 468,200). It rounds to 470,000 to the nearest ten thousand, and 500,000 to the nearest hundred thousand.
12. Find two different whole numbers between 1 and 10 whose product is 36, then write both factor pairs of 36 that use only numbers from 1 to 10.
    4 and 9, and 6 and 6. (Both give 36.)