

Yr 6 Place Value, Addition and Subtraction Unit 1 (6421)

Additional teacher instructions for practice sheets

These notes indicate which practice sheets are most appropriate for which groups.

Day 1 Comparing and ordering large numbers Sheet 1

Working towards ARE

Day 1 Comparing and ordering large numbers Sheet 2

Working at ARE / Greater Depth

Day 2 Place value adding and subtracting Sheet 1

Working towards ARE

Day 2 Place value adding and subtracting Sheet 2

Working at ARE / Greater Depth

Day 3 Rounding numbers Sheet 1

Working towards ARE

Day 3 Rounding numbers Sheet 2

Working at ARE / Greater Depth

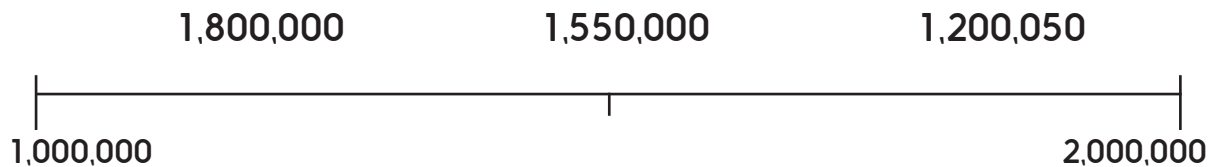
Comparing and ordering large numbers

Sheet 1

1. Use the symbols $>$ or $<$ between these pairs of numbers to indicate which is larger:

- a) 2,872,981 832,981
b) 530,089 930,980
c) 6,335,385 6,767,001
d) 5,005,000 5,000,500

2. Put these numbers on the number line in approximately the right place:



3. Put these sets of numbers in order smallest to largest.

- a) 6,537,000 5,376,800 6,900,000
b) 1,250,750 890,670 1,520,700
c) 2,670,001 2,760,000 2,670,010

Challenge

For each of the pairs of numbers in question 1 write one more number that would go in between the pair.

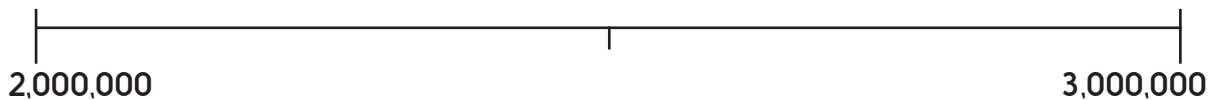
Comparing and ordering large numbers

Sheet 2

1. Use the symbols $>$ or $<$ between these pairs of numbers to indicate which is larger:
- a) 2,872,981 2,832,981
 - b) 4,530,089 4,530,980
 - c) 6,792,385 6,729,999
 - d) 5,544,454 5,545,545
 - e) 8,000,001 8,000,010
 - f) 9,999,991 1,999,999

2. Put these numbers on the number line in approximately the right place:

2,507,387 2,850,762 2,343,840 2,101,877



3. Put these sets of numbers in order smallest to largest.

a) 6,537,298 5,376,820 5,637,892 6,289,573

b) 7,890,670 7,986,750 7,785,670 7,890,760

c) 1,875,378 1,758,980 2,875,378 1,758,979

d) 8,887,788 8,878,878 8,870,888 8,807,887

Challenge

For each of the pairs of numbers in question 1 write two numbers that would go in between the pair.

Place value adding and subtracting

Sheet 1

1. **Add** 10,000 to each of these numbers:
a) 3,676,967 b) 1,235,906 c) 3,888,888

2. **Subtract** 100,000 from each of these numbers:
a) 7,666,777 b) 1,535,206 c) 5,254,456

3. **Add** 1001 to each of these numbers:
a) 4,578,467 b) 4,567,003 c) 4,253,850

Challenge

Add 20,000 to each of the numbers in question 1.

Place value adding and subtracting

Sheet 2

1. **Add** 10,000 to each of these numbers:

a) 3,676,967 b) 1,235,906 c) 3,888,888 d) 4,792,900

2. **Subtract** 100,000 from each of these numbers:

a) 7,666,777 b) 1,535,206 c) 5,254,456 d) 3,092,800

3. **Add** 1200 to each of these numbers:

a) 4,578,467 b) 4,567,003 c) 4,253,850 d) 4,329,600

4. **Subtract** 1,000,010 from each of these numbers:

a) 3,524,653 b) 4,566,216 c) 1,872,300 d) 5,329,000

Challenge

Add 40,000 to each of the numbers in question 1.

Rounding numbers

Sheet 1

1. Round these numbers to the nearest 1,000,000:

a) 4,800,000 b) 3,205,000 c) 7,305,244

2. Round these numbers to the nearest 100,000:

a) 680,000 b) 344,000 c) 5,392,000

3. Round these numbers to the nearest 10,000:

a) 587,000 b) 521,300 c) 6,082,000

4. Round these numbers to the nearest 1000:

a) 726,300 b) 678,800 c) 1,573,333

Challenge

Find 3 numbers that will round to 7,000,000 when rounded to the nearest 1,000,000.

Rounding numbers

Sheet 2

1. Round these numbers to the nearest 1,000,000:
a) 4,789,087 b) 3,389,999 c) 7,502,992 d) 6,499,999

2. Round these numbers to the nearest 100,000:
a) 685,436 b) 344,333 c) 5,492,000 d) 4,522,999

3. Round these numbers to the nearest 10,000:
a) 586,634 b) 544,392 c) 6,482,000 d) 6,542,589

4. Round these numbers to the nearest 1000:
a) 725,419 b) 678,784 c) 1,573,645 d) 6,672,500

Challenge

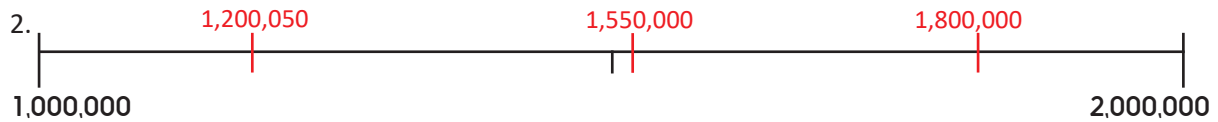
Find 5 numbers that will round to 6,500,000 to the nearest 100,000 and 7,000,000 when rounded to the nearest 1,000,000.

Place value, addition and subtraction

Answers

Day 1 Comparing and ordering large numbers Sheet 1

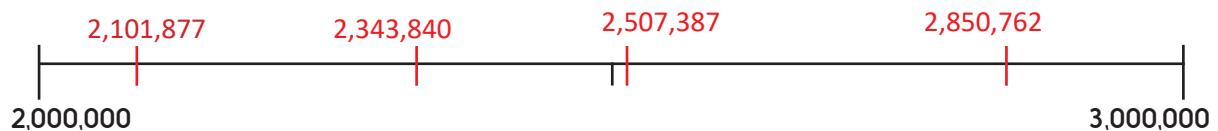
1. a) 2,872,981 > 832,981
b) 530,089 < 930,980
c) 6,335,385 < 6,767,001
d) 5,005,000 > 5,000,500



3. a) 5,376,800 6,537,000 6,900,000
b) 890,670 1,250,750 1,520,700
c) 2,670,001 2,670,010 2,760,000

Day 1 Comparing and ordering large numbers Sheet 2

1. a) 2,872,981 > 2,832,981
b) 4,530,089 < 4,530,980
c) 6,792,385 > 6,729,999
d) 5,544,454 < 5,545,545
e) 8,000,001 < 8,000,010
f) 9,999,991 > 1,999,999



3. a) 5,376,820 5,637,892 6,289,573 6,537,298
b) 7,785,670 7,890,670 7,890,760 7,986,750
c) 1,758,979 1,758,980 1,875,378 2,875,378
d) 8,807,887 8,870,888 8,878,878 8,887,788

Day 2 Place value adding and subtracting Sheet 1

1. a) 3,686,967 b) 1,245,906 c) 3,898,888
2. a) 7,566,777 b) 1,435,206 c) 5,154,456
3. a) 4,579,468 b) 4,568,004 c) 4,254,851

Challenge

- a) 3,696,967 b) 1,255,906 c) 3,908,888

Day 2 Place value adding and subtracting Sheet 2

1. a) 3,686,967 b) 1,245,906 c) 3,898,888 d) 4,802,900
2. a) 7,566,777 b) 1,435,206 c) 5,154,456 d) 2,992,800
3. a) 4,579,667 b) 4,568,203 c) 4,255,050 d) 4,330,800
4. a) 2,524,643 b) 3,566,206 c) 872,290 d) 4,328,990

Challenge

- a) 3,716,967 b) 1,275,906 c) 3,928,888 d) 4,832,900

Place value, addition and subtraction

Answers

Day 3 Rounding numbers Sheet 1

- | | | | |
|----|--------------|--------------|--------------|
| 1. | a) 5,000,000 | b) 3,000,000 | c) 7,000,000 |
| 2. | a) 700,000 | b) 300,000 | c) 5,400,000 |
| 3. | a) 590,000 | b) 520,000 | c) 6,080,000 |
| 4. | a) 726,000 | b) 679,000 | c) 1,573,000 |

Day 3 Rounding numbers Sheet 2

- | | | | | |
|----|--------------|--------------|--------------|--------------|
| 1. | a) 5,000,000 | b) 3,000,000 | c) 8,000,000 | d) 6,000,000 |
| 2. | a) 700,000 | b) 300,000 | c) 5,500,000 | d) 4,500,000 |
| 3. | a) 590,000 | b) 540,000 | c) 6,480,000 | d) 6,540,000 |
| 4. | a) 725,000 | b) 679,000 | c) 1,574,000 | d) 6,673,000 |