## 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) $\quad 6,537,000$
5,376,800
6,900,000
b) $1,250,750$
890,670
1,520,700
c) $\mathbf{2 , 6 7 0 , 0 0 1}$
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) $0,792,385$
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)
5,376,820
5,637,892
6,289,573
b) $\mathbf{7 , 8 9 0 , 6 7 0}$
7.986,750 7.785,670
7,890,760
c) $\mathbf{1 , 8 7 5 , 3 7 8} \quad 1,758,980 \quad 2,875,378 \quad 1,758,979$
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) $\mathbf{7 2 5 , 4} 19$
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) $5,005,000>5,000,500$

$\begin{array}{rllll}\text { 3. a) } & 5,376,800 & 6,537,000 & 6,900,000 \\ \text { b) } & 890,670 & 1,250,750 & 1,520,700 \\ \text { c) } & 2,670,001 & 2,670,010 & 2,760,000\end{array}$

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) $9,999,991>1,999,999$

2. 

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

## 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. 

$\begin{array}{ll}\text { a) } 5,000,000 & \text { b) } 3,000,000\end{array}$
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) $6,673,000$

