

## Yr 5 Place Value Part 1 (5107)

### Additional teacher instructions for practice sheets

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

#### Day 1 Place Value Sheet 1

Working towards ARE

#### Day 1 Place Value Sheet 2

Working at ARE

#### Day 1 Place Value Sheet 3

Greater Depth

#### Day 2 Adding and subtracting 1, 10, 100, 1000 and 10,000 Sheet 1

Working towards ARE

#### Day 2 Adding and subtracting 1, 10, 100, 1000 and 10,000 Sheet 2

Working at ARE / Greater Depth

#### Day 3 Comparing 5-digit numbers Sheet 1

Working towards ARE

#### Day 3 Comparing 5-digit numbers Sheet 2

Working at ARE

#### Day 3 Ordering 5-digit numbers Sheet 3

Greater Depth

## Place value Sheet 1

Complete these number sentences.

$42,760 + 3 = \boxed{\phantom{00000}}$

$84,572 - 4000 = \boxed{\phantom{00000}}$

$50,345 + 2000 = \boxed{\phantom{00000}}$

$92,428 - 20 = \boxed{\phantom{00000}}$

$37,076 + 800 = \boxed{\phantom{00000}}$

$69,462 - 400 = \boxed{\phantom{00000}}$

$24,600 + 24 = \boxed{\phantom{00000}}$

$23,746 - 20,000 = \boxed{\phantom{00000}}$

$90,340 + 2005 = \boxed{\phantom{00000}}$

$84,245 - \boxed{\phantom{00000}} = 80,245$

$63,058 + \boxed{\phantom{00000}} = 63,758$

## Place value Sheet 2

Complete these number sentences.

$$20,000 + 450 = \boxed{\phantom{00000}}$$

$$5003 + \boxed{\phantom{00000}} = 45,523$$

$$31,000 + \boxed{\phantom{00000}} = 31,273$$

$$10,000 + \boxed{\phantom{00000}} = 10,725$$

$$40,444 + \boxed{\phantom{00000}} = 44,444$$

$$70,777 + \boxed{\phantom{00000}} = 77,777$$

$$34,270 - 270 = \boxed{\phantom{00000}}$$

$$52,235 - 50,000 = \boxed{\phantom{00000}}$$

$$24,752 - \boxed{\phantom{00000}} = 24,702$$

$$72,896 - \boxed{\phantom{00000}} = 896$$

$$44,444 - \boxed{\phantom{00000}} = 40,444$$

$$45,345 - \boxed{\phantom{00000}} = 5345$$

## Place value Sheet 3

Complete these number sentences.

$$43,680 - \boxed{\phantom{00000}} = 40,060$$

$$3,780 + \boxed{\phantom{00000}} = 83,781$$

$$28,134 - \boxed{\phantom{00000}} = 28,004$$

$$402 + \boxed{\phantom{00000}} = 75,412$$

$$65,036 - \boxed{\phantom{00000}} = 5030$$

$$\boxed{\phantom{00000}} + 2,700 = 62,745$$

$$93,489 - \boxed{\phantom{00000}} = 409$$

$$\boxed{\phantom{00000}} + 3,040 = 83,276$$

$$20,406 + \boxed{\phantom{00000}} = 23,476$$

$$\boxed{\phantom{00000}} - 20,450 = 7,008$$

$$51,080 + \boxed{\phantom{00000}} = 51,983$$

$$\boxed{\phantom{00000}} - 8,078 = 70,600$$

# Adding and subtracting 1, 10, 100, 1000 and 10,000

## Sheet 1

$44,444 + 1 =$

$44,444 + 10 =$

$44,444 + 100 =$

$44,444 + 1000 =$

$44,444 + 10,000 =$

$88,888 - 1 =$

$88,888 - 10 =$

$88,888 - 100 =$

$88,888 - 1000 =$

$88,888 - 10,000 =$

$34,872 + 10 =$

$34,872 + 1000 =$

$34,872 + 1 =$

$34,872 + 100 =$

$34,872 + 10,000 =$

$95,342 - 1 =$

$95,342 - 100 =$

$95,342 - 1000 =$

$95,342 - 10,000 =$

$95,342 - 10 =$

## Adding and subtracting 1s, 10s, 100s, 1000s and 10,000s

### Sheet 2

$32,473 + 2 =$

$32,473 + 20 =$

$32,473 + 200 =$

$32,473 + 2000 =$

$32,473 + 20,000 =$

$97,657 - 4 =$

$97,657 - 40 =$

$97,657 - 400 =$

$97,657 - 4000 =$

$97,657 - 40,000 =$

$24,734 + 200 =$

$24,734 + 50 =$

$24,734 + 40,000 =$

$24,734 + 3000 =$

$24,734 + 5 =$

$85,346 - 30,000 =$

$85,346 - 20 =$

$85,346 - 4000 =$

$85,346 - 200 =$

$85,346 - 4 =$

#### Challenge

Start with 22,222 and throw a die. Every time you throw, you can add that number of 1s, 10s, 100s, 1000s, 10,000s or 100,000s. For example, if you throw a 3, you add 3000 to 22,222. The aim is to get exactly 99,999 but you must not go over! Estimate first how many throws it will take. Then try. Now estimate again, and try again.

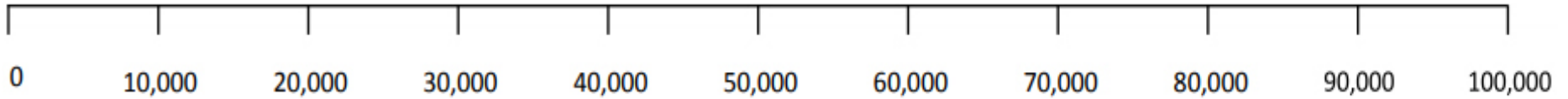
**Further challenge:** What is the best possible combination of throws to get from 22,222 to 99,999 in the shortest time?

# Comparing 5-digit numbers

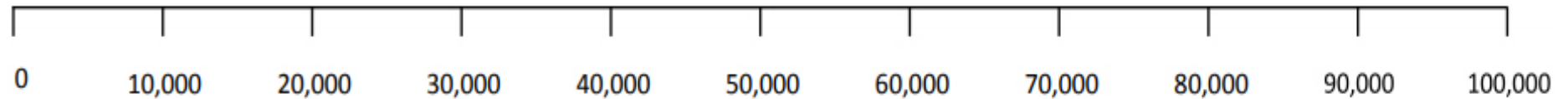
## Sheet 1

Mark each pair of numbers on the number line. Write  $<$  or  $>$  between each pair.

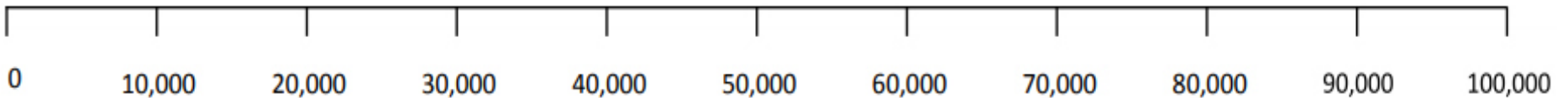
47,000    23,000                    86,000    68,000                    93,000    95,000



12,500    15,500                    45,000    54,000                    78,000    87,000



23,500    21,900                    52,900    59,100                    65,900    69,500

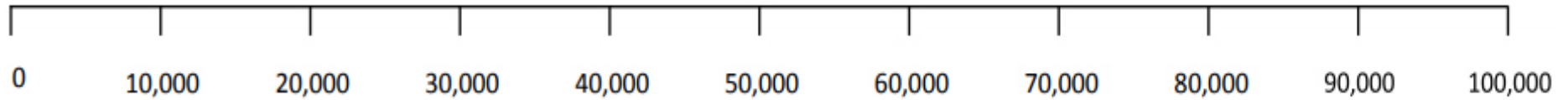


# Comparing 5-digit numbers

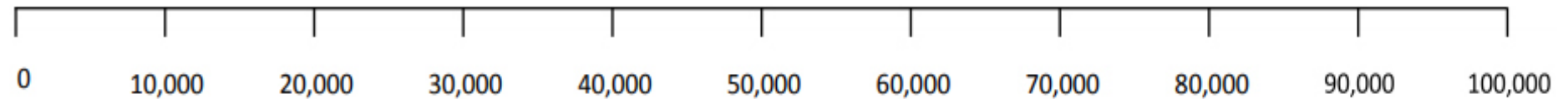
## Sheet 2

Mark each pair of numbers on the number line. Write  $<$  or  $>$  between each pair.

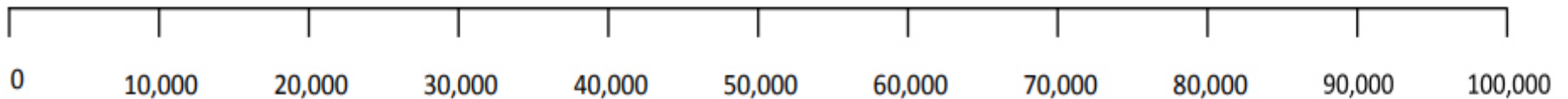
52,000    25,000                    86,200    82,600                    93,500    90,350



12,750    15,720                    45,490    54,490                    86,190    86,910



23,871    21,178                    52,950    50,590                    76,543                    73,456





# Ordering 5-digit numbers

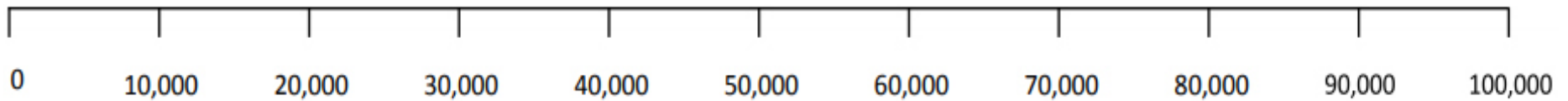
## Sheet 3

Use the digits 1 to 5 to make at least three numbers between 20,000 and 40,000. Mark them on the number line.

Use the digits 1 to 5 to make at least three numbers between 15,000 and 25,000. Mark them on the number line.

Use the digits 1 to 5 to make at least three numbers between 40,000 and 45,000. Mark them on the number line.

Use the digits 1 to 5 to make one number as close to 50,000 as you can. Mark it on the number line in a different colour.



# Place Value

## Answers

### Day 1 Place value Sheet 1

$42,760 + 3 = 42,763$

$50,345 + 2,000 = 52,345$

$37,076 + 800 = 37,876$

$24,600 + 24 = 24,624$

$90,340 + 2,005 = 92,345$

$63,058 + 700 = 63,758$

$84,572 - 4,000 = 80,572$

$92,428 - 20 = 92,408$

$69,462 - 400 = 69,062$

$23,746 - 20,000 = 3,746$

$84,245 - 4,000 = 80,245$

### Day 1 Place value Sheet 2

$20,000 + 450 = 20,450$

$31,000 + 273 = 31,273$

$40,444 + 4000 = 44,444$

$34,270 - 270 = 34,000$

$24,752 - 50 = 24,702$

$44,444 - 4000 = 40,444$

$5003 + 40,520 = 45,523$

$10,000 + 725 = 10,725$

$70,777 + 7,000 = 77,777$

$52,235 - 50,000 = 2,235$

$72,896 - 72,000 = 896$

$45,345 - 40,000 = 5,345$

### Day 1 Place value Sheet 3

$43,680 - 3620 = 40,060$

$28,134 - 130 = 28,004$

$65,036 - 60,006 = 5,030$

$93,489 - 93,080 = 409$

$20,406 + 3,070 = 23,476$

$51,080 + 903 = 51,983$

$3,780 + 80,001 = 83,781$

$402 + 75,010 = 75,412$

$60,045 + 2,700 = 62,745$

$80,236 + 3,040 = 83,276$

$27,458 - 20,450 = 7,008$

$78,678 - 8,078 = 70,600$

### Day 2 Adding and subtracting 1, 10, 100, 1000 and 10,000 Sheet 1

$44,444 + 1 = 44,445$

$44,444 + 10 = 44,454$

$44,444 + 100 = 44,544$

$44,444 + 1000 = 45,444$

$44,444 + 10,000 = 54,444$

$88,888 - 1 = 88,887$

$88,888 - 10 = 88,878$

$88,888 - 100 = 88,788$

$88,888 - 1,000 = 87,888$

$88,888 - 10,000 = 78,888$

$34,872 + 10 = 34,882$

$34,872 + 1000 = 35,872$

$34,872 + 1 = 34,873$

$34,872 + 100 = 34,972$

$34,872 + 10,000 = 44,872$

$95,342 - 1 = 95,341$

$95,342 - 100 = 95,242$

$95,342 - 1000 = 94,342$

$95,342 - 10,000 = 85,342$

$95,342 - 10 = 95,332$

# Place Value

## Answers

### Day 2 Adding and subtracting 1s, 10s, 100s, 1000s and 10,000s Sheet 2

$$32,473 + 2 = 32,475 \quad 32,473 + 20 = 32,493 \quad 32,473 + 200 = 32,673$$
$$32,473 + 2000 = 34,473 \quad 32,473 + 20,000 = 52,473$$

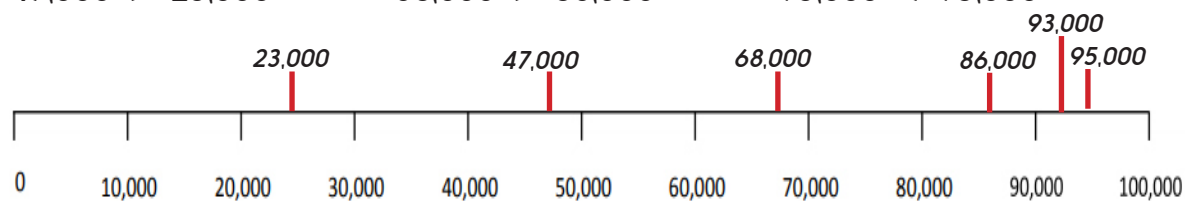
$$97,657 - 4 = 97,653 \quad 97,657 - 40 = 97,617 \quad 97,657 - 400 = 97,257$$
$$97,657 - 4000 = 93,657 \quad 97,657 - 40,000 = 57,657$$

$$24,734 + 200 = 24,934 \quad 24,734 + 50 = 24,784 \quad 24,734 + 40,000 = 64,734$$
$$24,734 + 3000 = 27,734 \quad 24,734 + 5 = 24,739$$

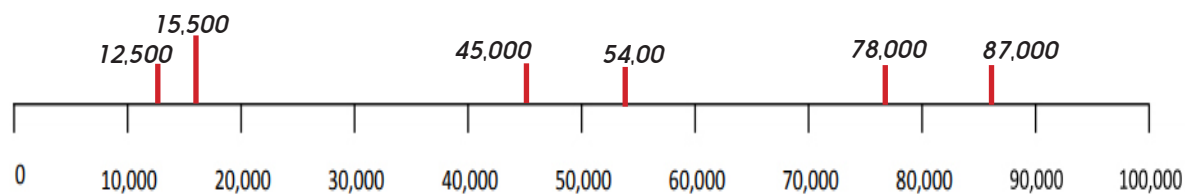
$$85,346 - 30,000 = 55,346 \quad 85,346 - 20 = 85,326 \quad 85,346 - 4000 = 81,346$$
$$85,346 - 200 = 85,146 \quad 85,346 - 4 = 85,342$$

### Day 3 Comparing 5-digit numbers Sheet 1

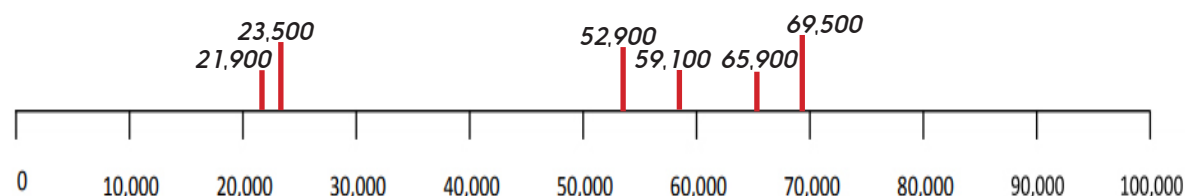
$$47,000 > 23,000 \quad 86,000 > 68,000 \quad 93,000 < 95,000$$



$$12,500 < 15,500 \quad 45,000 < 54,000 \quad 78,000 < 87,000$$



$$23,500 > 21,900 \quad 52,900 < 59,100 \quad 65,900 < 69,500$$



# Place Value

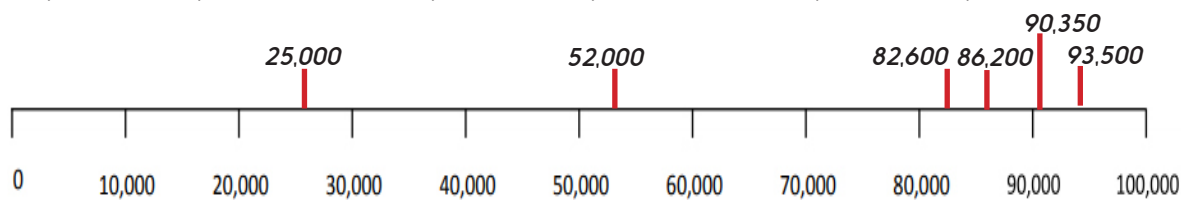
## Answers

### Day 3 Comparing 5-digit numbers Sheet 2

$52,000 > 25,000$

$86,200 > 82,600$

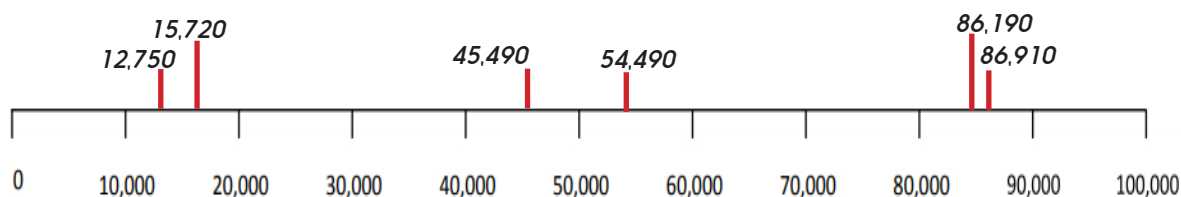
$93,500 > 90,350$



$12,750 < 15,720$

$45,490 < 54,490$

$86,190 < 86,910$



$23,871 > 21,178$

$52,950 > 50,590$

$76,543 > 73,456$

