

Y3/4 Place value Unit 1 (34110)

Additional teacher instructions for practice sheets

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

Day 1 Y3 Numbers up to 100 Sheet 1

Working towards ARE

Day 1 Y3 Numbers up to 100 Sheet 2

Working at ARE / Greater Depth

Day 1 Y4 Placing numbers on a 0-1000 line Sheet 3

Working towards ARE

Day 1 Y4 Placing numbers on a 0-1000 line Sheet 4

Working at ARE / Greater Depth

Day 2 Y3 Numbers between 100 and 200 Sheet 1

Working towards ARE / Working at ARE

Day 2 Y3 Numbers up to 1000 Sheet 2

Greater Depth

Day 2 Y4 Placing numbers on a 0-10,000 line Sheet 3

Working towards ARE

Day 2 Y4 Placing numbers on a 0-10,000 line Sheet 4

Working at ARE / Greater Depth

Day 3 Y3 More numbers up to 1000 Sheet 1

Working towards ARE

Day 3 Y3 More numbers up to 1000 Sheet 2

Working at ARE / Greater Depth

Day 3 Y4 Ordering and placing numbers on a 0-10,000 line Sheet 3

Working towards ARE

Day 3 Y4 Compare numbers up to 10,000 Sheet 4

Working at ARE / Greater Depth

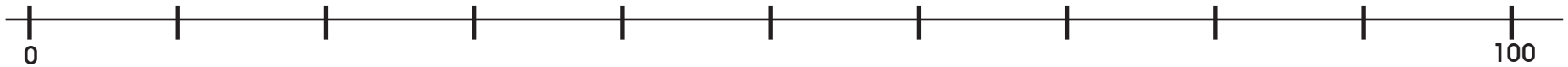
Numbers up to 100

Sheet 1

Label the tens on these lines.

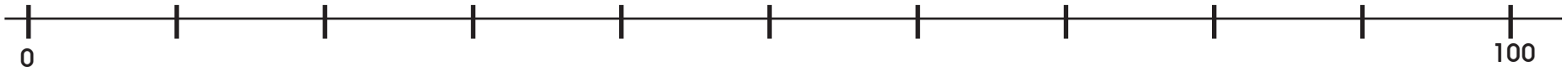
Mark these numbers on this line:

55 75 25



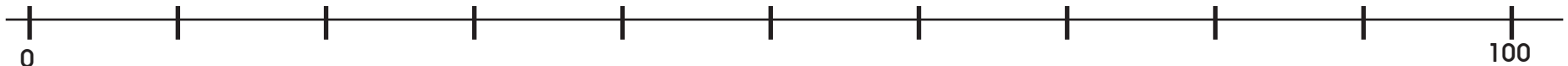
Mark these numbers on this line:

61 39 22



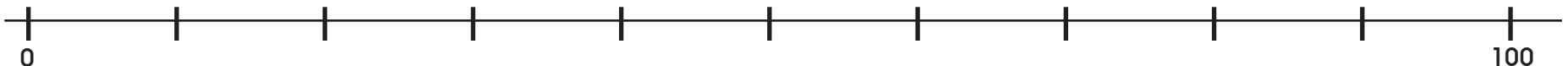
Mark these numbers on this line:

85 59 67



Mark these numbers on this line:

95 14 44



Numbers up to 100

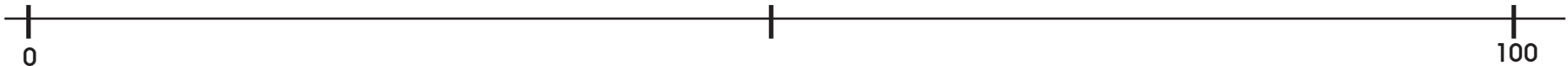
Sheet 2

Mark and label the tens on these lines.

Mark these numbers on this line: 25 75 12



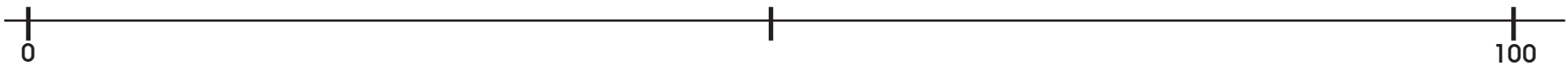
Mark these numbers on this line: 61 39 87



Mark these numbers on this line: 85 54 67



Mark these numbers on this line: 95 14 44



Challenge

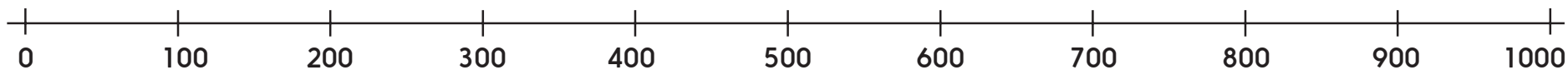
Draw a new line. Write a number and reverse the digits. Mark both numbers on the line. Look at the gap between these numbers on the line. Which two numbers with reversed digits would give the largest gap on the line? Which two would give the smallest gap - i.e. be closest together?

Placing numbers on a 0-1000 line

Sheet 3

Mark these numbers on the lines.

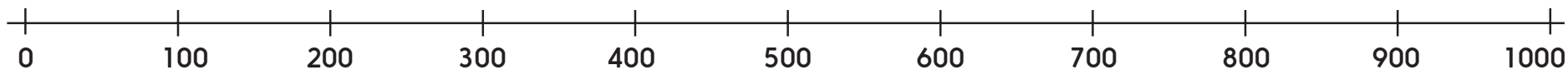
950 925 450 475



550 575 580 595



350 340 360 390



875 225 975 25

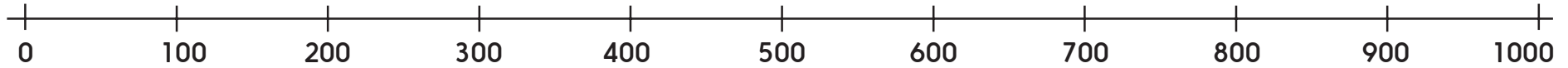


Placing numbers on a 0-1000 line

Sheet 4

Mark these numbers on the lines.

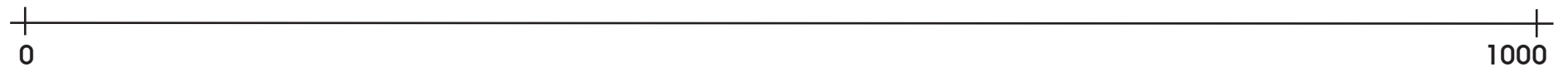
950 925 450 475



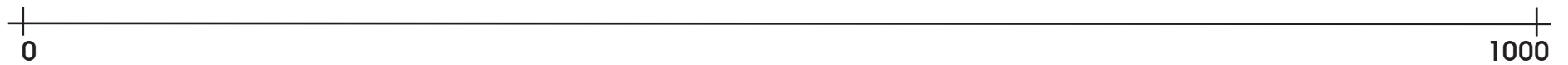
550 575 580 595



350 340 360 390



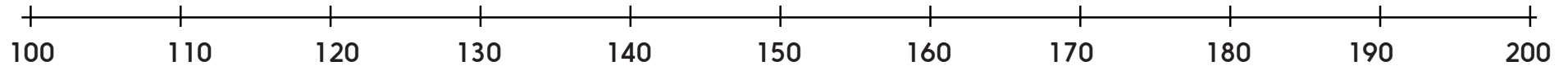
875 225 975 25



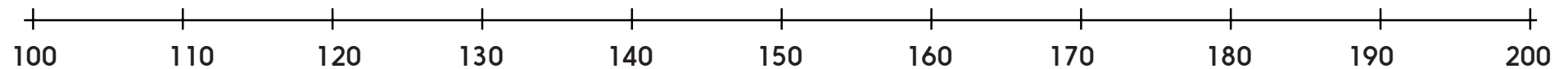
Numbers between 100 and 200

Sheet 1

Mark these numbers on this line: 125, 145, 155, 175, 195



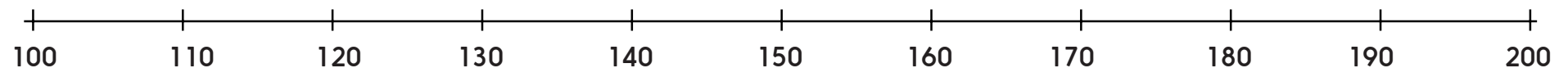
Mark these numbers on this line: 105, 129, 151, 162, 199



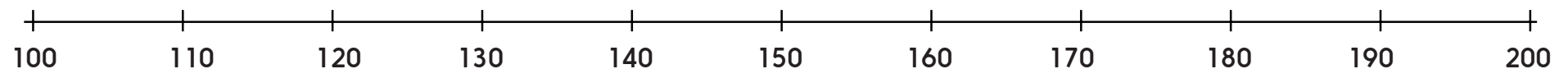
Mark the number half way between 130 and 140.

Mark a number closer to 120 than 130.

Mark a number closer to 170 than 160.



Mark five even numbers anywhere you like on this line.



Numbers up to 1000

Sheet 2

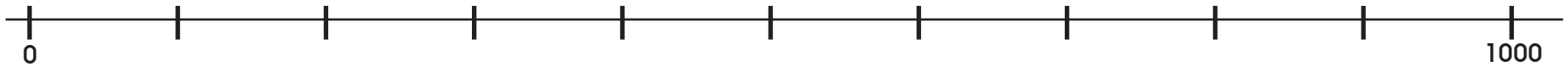
Label the hundreds on these lines.

Mark these numbers on this line:

350

775

425

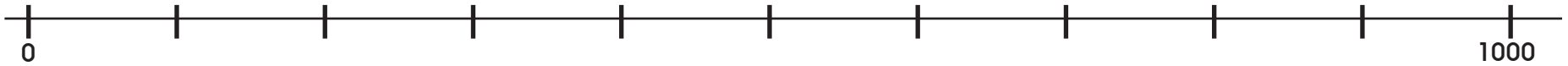


Mark these numbers on this line:

670

310

225

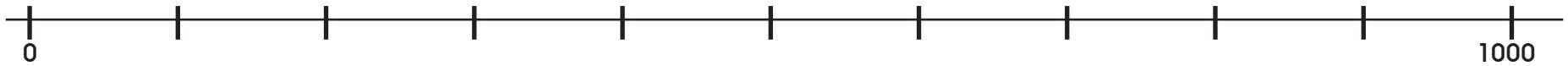


Mark these numbers on this line:

505

590

880

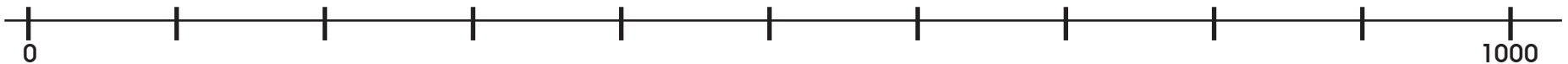


Mark these numbers on this line:

950

140

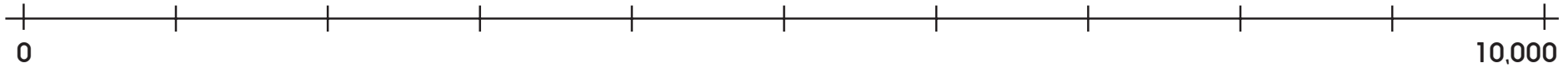
685



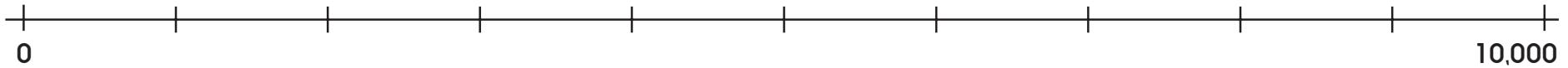
Placing numbers on a 0-10,000 line

Sheet 3

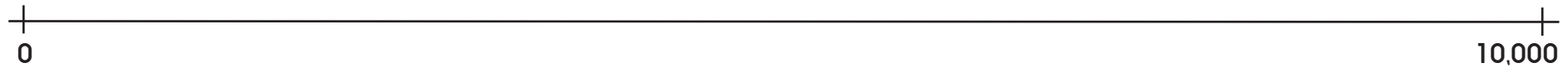
5000 7500 2500 6000



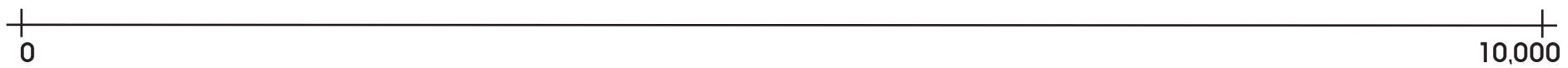
5000 4000 3000 2000



5000 6000 5500 6500



2500 7500 1250 1000



Placing numbers on a 0-10,000 line

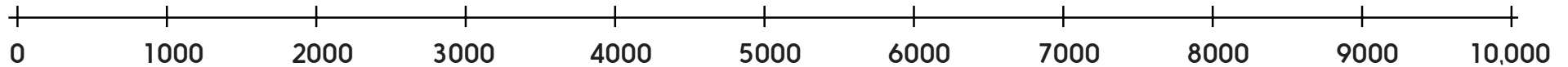
Sheet 4

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

4500 6500

7250 2750

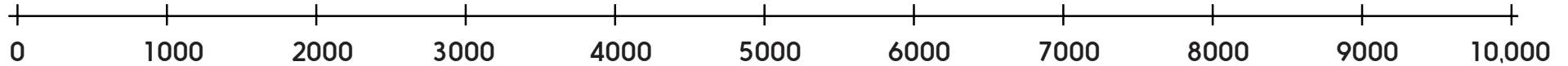
4800 8400



9500 5900

3250 3500

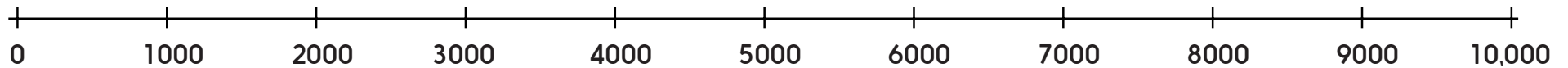
5250 2520



4200 2400

6700 7600

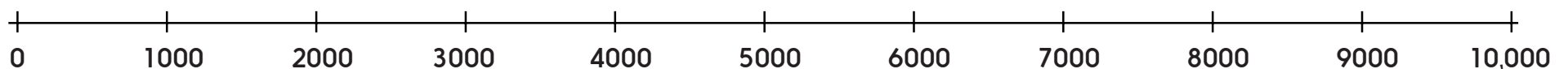
8250 2850



4350 3450

9250 9750

8435 4358



More numbers up to 1000

Sheet 1

Mark each pair of numbers on the line. Write $<$ or $>$ between each pair.
Write a number that you know comes between each pair of numbers.

135 153

162 165

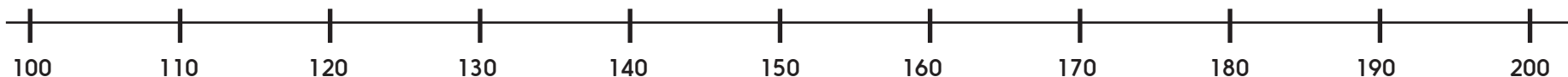
125 111



172 169

123 118

154 156



143 145

188 185

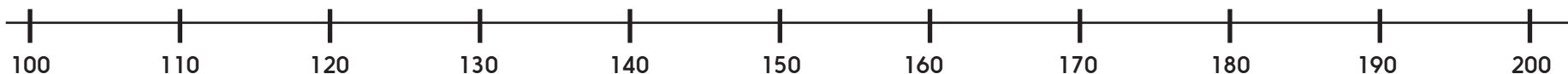
132 123



115 118

199 119

136 138



More numbers up to 1000

Sheet 2

Mark each pair of numbers on the line. Write $<$ or $>$ between each pair.
Write a number that you know comes between each pair of numbers.

350 530

620 615

125 110



720 699

230 180

535 540



225 275

880 885

321 123



445 429

990 919

360 365



Ordering and placing numbers on a 0-10,000 line

Sheet 3

Order these numbers from least to greatest:

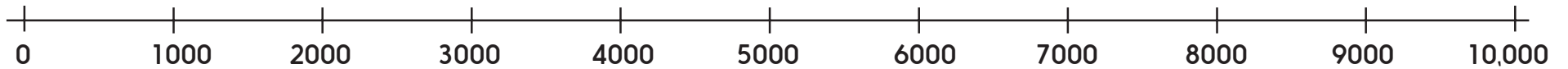
a. 2500, 4500, 8500, 3500

b. 3250, 8250, 7750, 4750

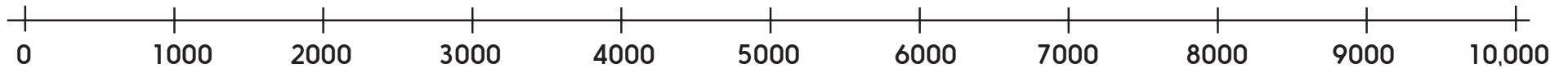
c. 6001, 4999, 5300, 3500

Now place them on the lines to check your ordering:

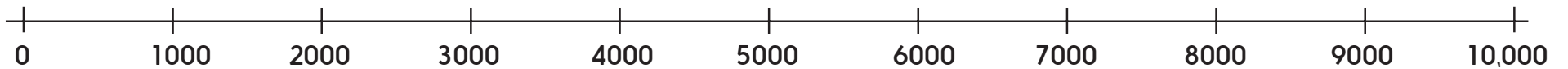
a.



b.



c.



Compare numbers up to 10,000

Sheet 4

Order these numbers from smallest to biggest:

a. 8500, 9750, 5001, 3990

b. 5600, 3400, 1250, 9490

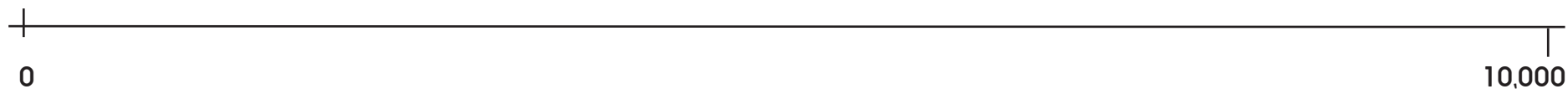
c. 4300, 8950, 2740, 2790

Now place them on the lines to check your ordering:

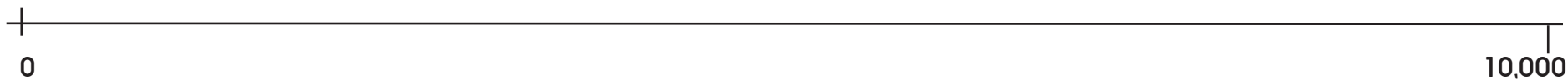
a.



b.



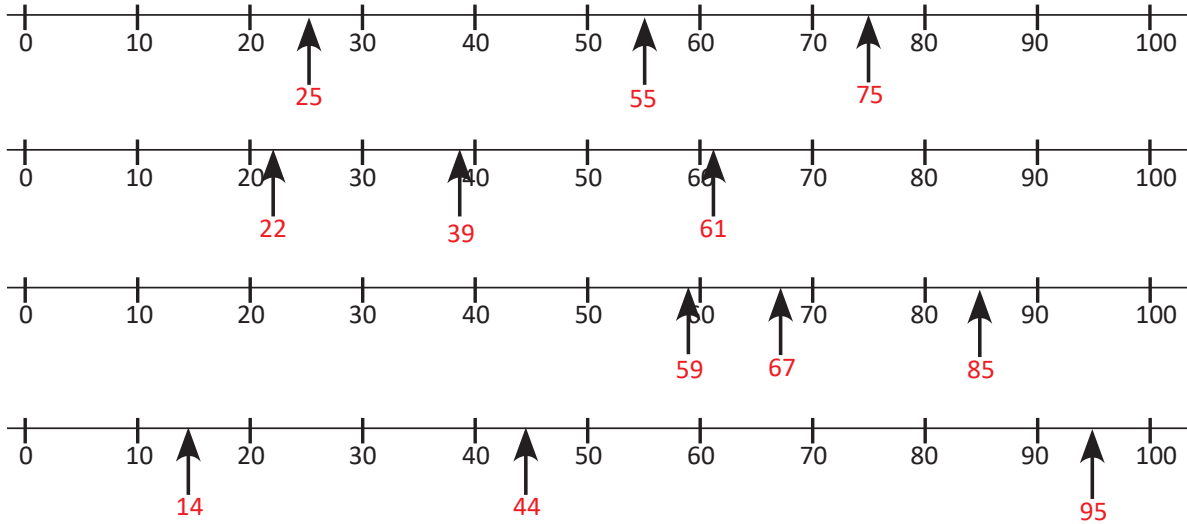
c.



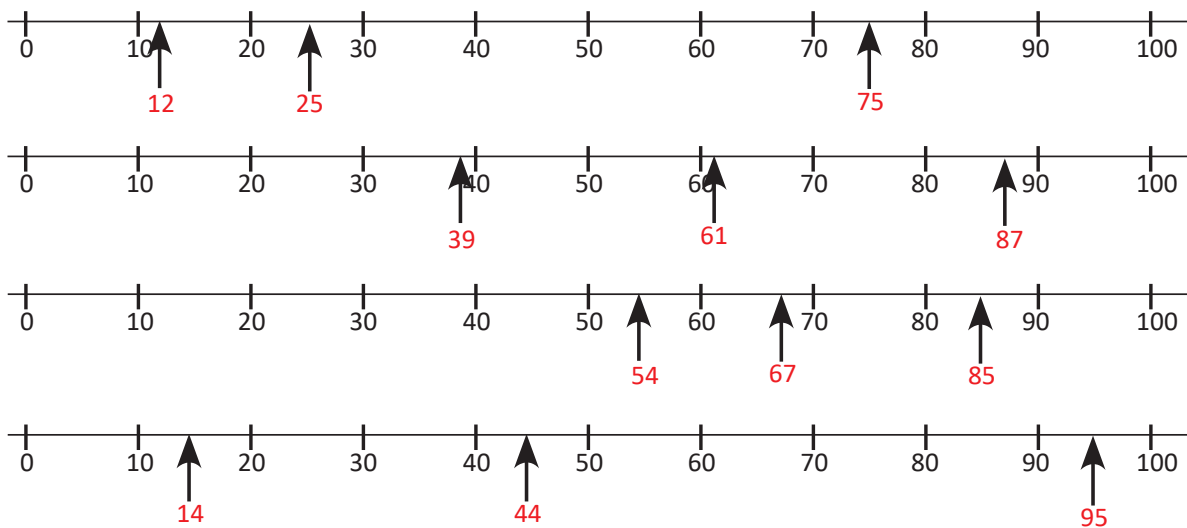
Place value

Answers

Day 1 Y3 Numbers up to 100 Sheet 1

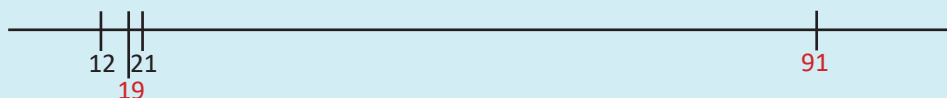


Day 1 Y3 Numbers up to 100 Sheet 2



Challenge

Children's lines should show pairs of 2-digit numbers with reversed digits, e.g. 12 and 21 or 89 and 98.

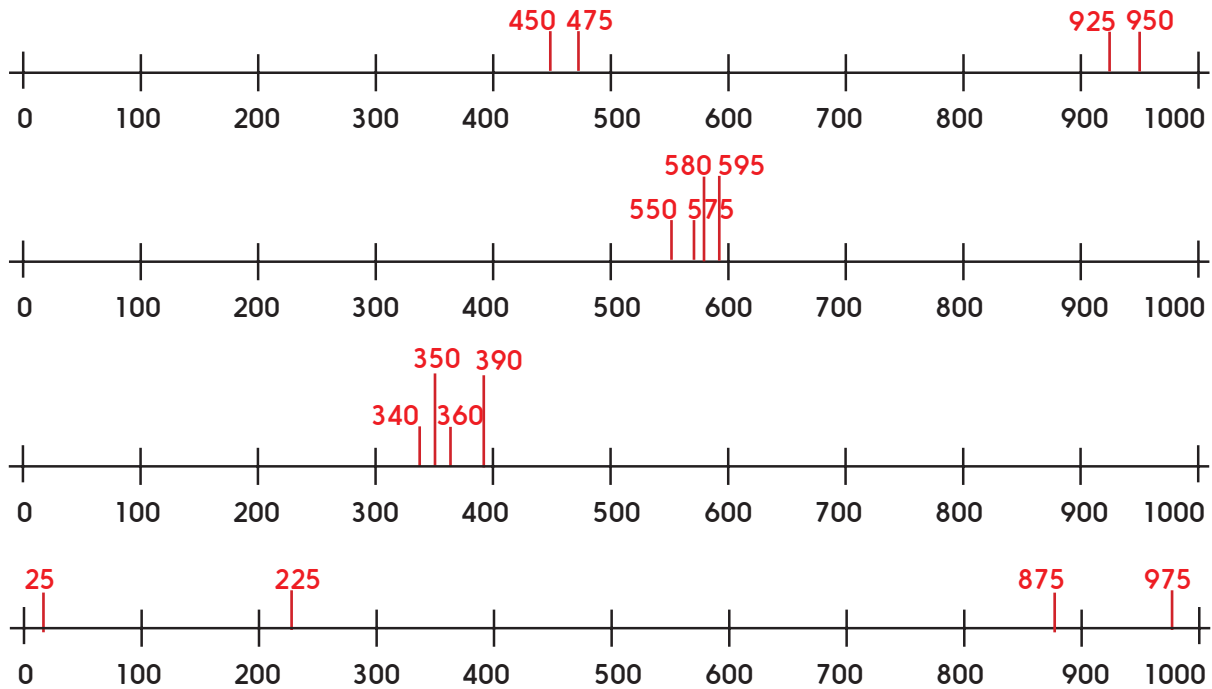


Largest gap on the line: 19 and 91 give a difference of 72.
 Smallest gap on the line: 12 and 21 give a difference of 9.

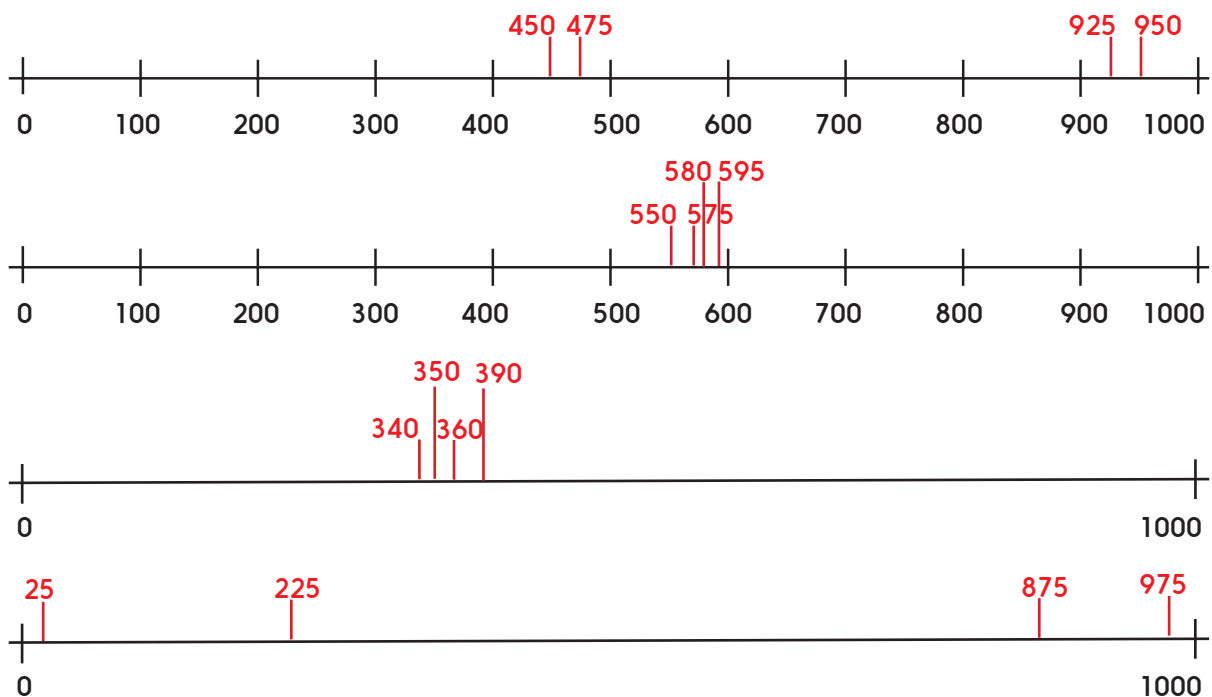
Place value

Answers

Day 1 Y4 Placing numbers on a 0-1000 number line Sheet 3



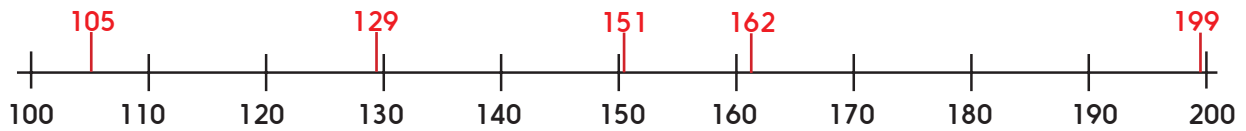
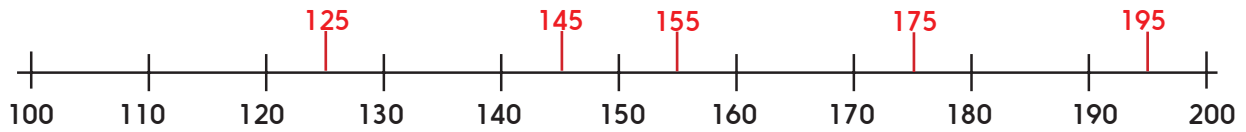
Day 1 Y4 Placing numbers on a 0-1000 number line Sheet 4



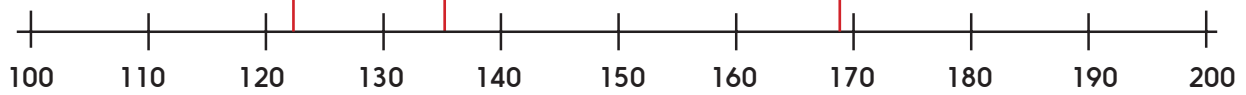
Place value

Answers

Day 2 Y3 Numbers between 100 and 200 Sheet 1



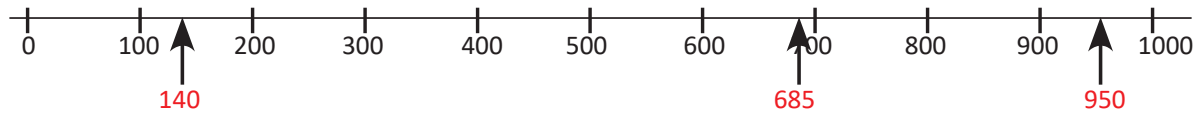
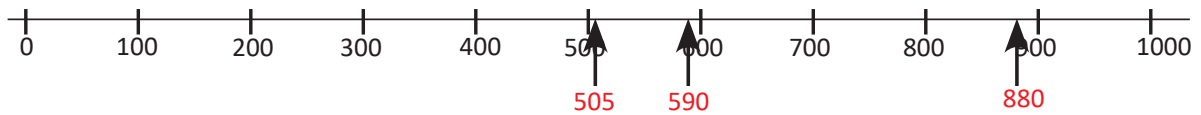
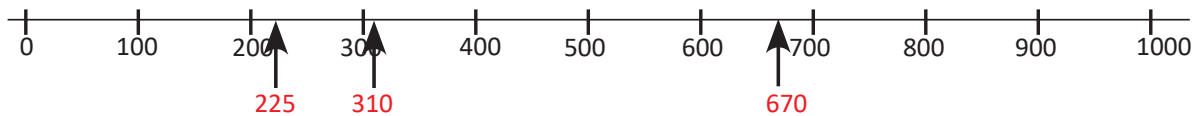
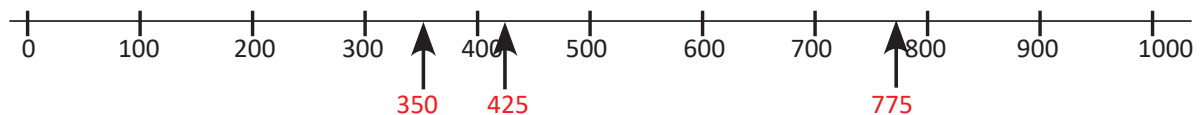
Mark a number closer to 120 than 130. *Mark the number halfway between 130 and 140.* *Mark a number closer to 170 than 160.*



Mark 5 even numbers anywhere you like on this line.



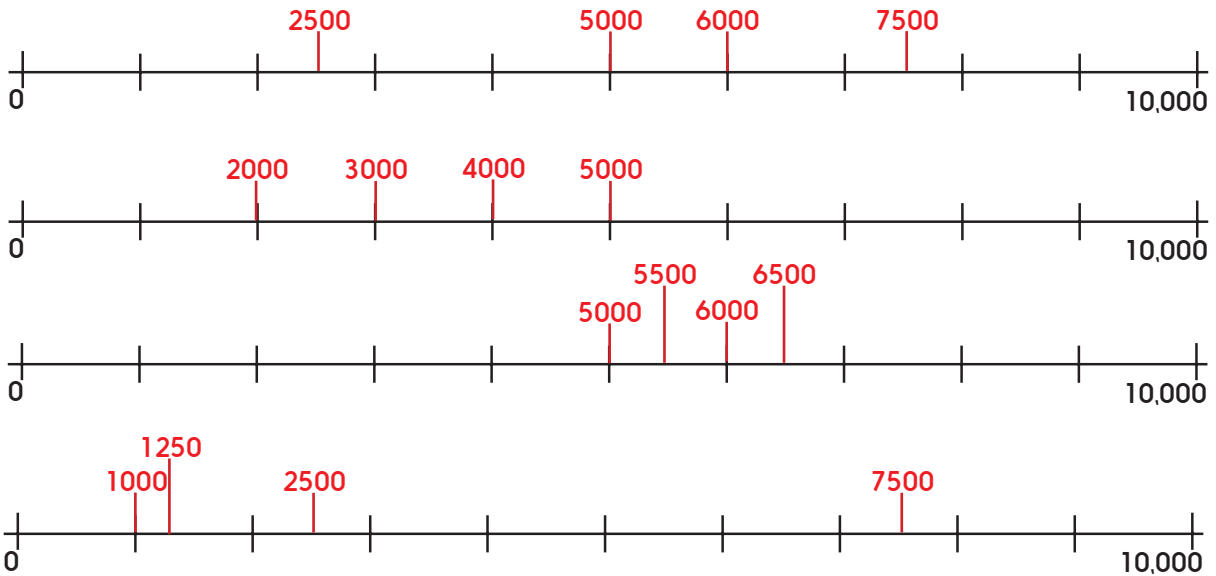
Day 2 Y3 Numbers up to 1000 Sheet 2



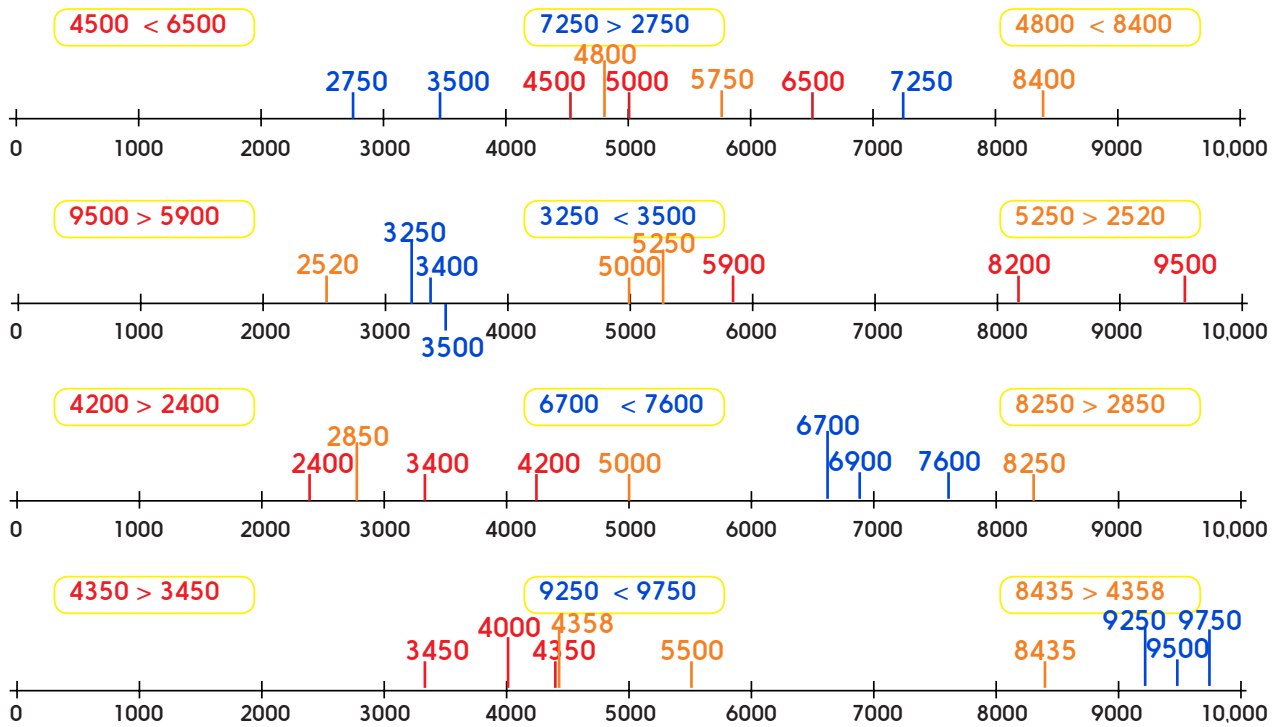
Place value

Answers

Day 2 Y4 Placing numbers on a 0-10,000 number line Sheet 3



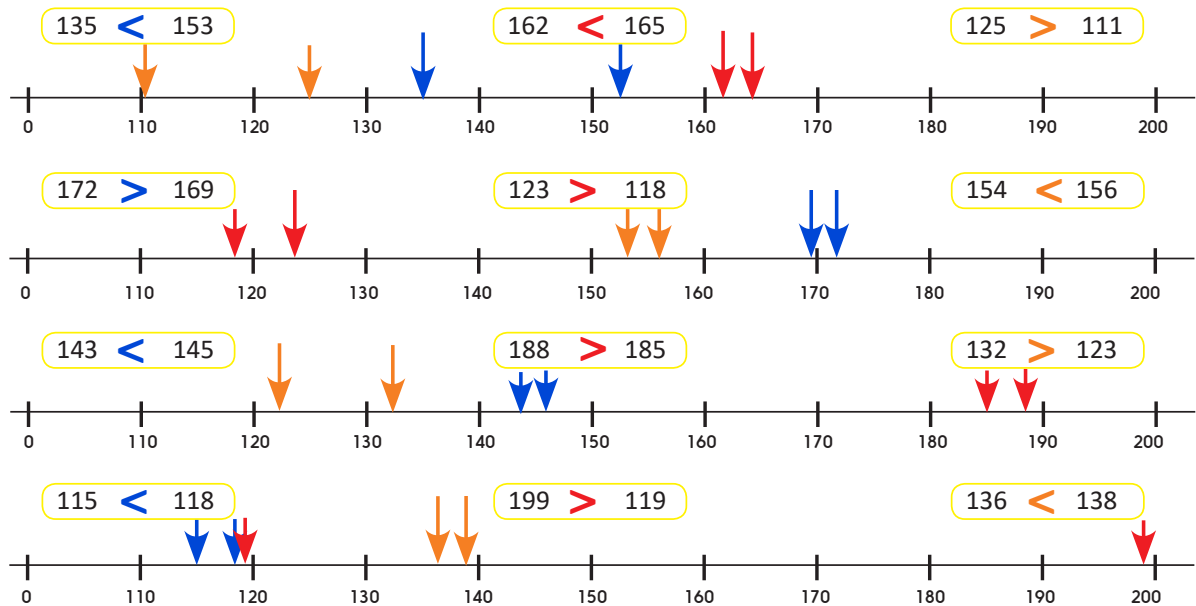
Day 2 Y4 Placing numbers on a 0-10,000 line Sheet 4



Place value

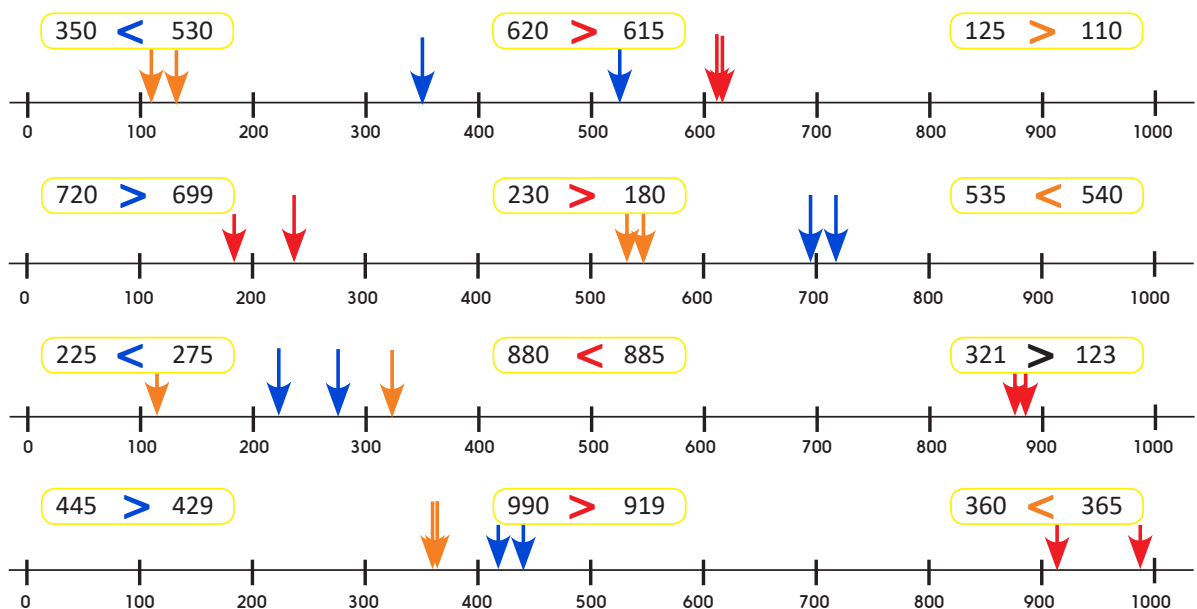
Answers

Day 3 Y3 More numbers up to 1000 Sheet 1



Children should have marked each number on the number line, and written a number which comes between each pair.

Day 3 Y3 More numbers up to 1000 Sheet 2

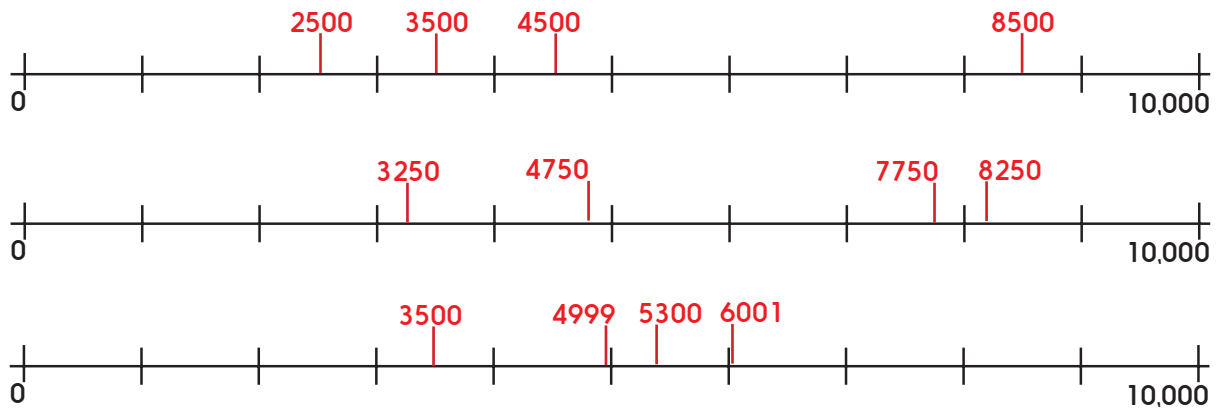


Children should have marked each number on the number line, and written a number which comes between each pair.

Place Value

Answers

Day 3 Y4 Ordering and placing numbers on a 0-10,000 number line Sheet 3

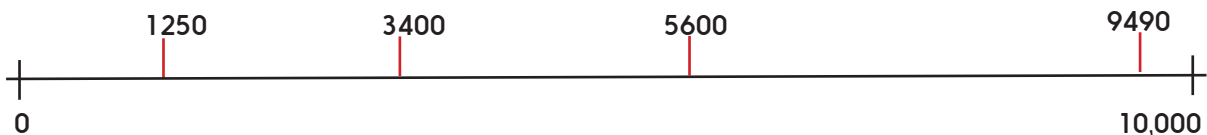


Day 3 Y4 Compare numbers up to 10,000 Sheet 4

a) 3990, 5001, 8500, 9750



b) 1250, 3400, 5600, 9490



c) 2740, 2790, 4300, 8950

