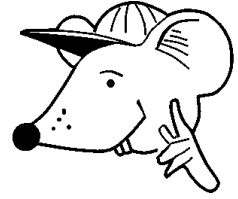


# MATHEMATICS



**N.S. Yr. 4 P.8**

**Vocabulary for comparing  
and ordering numbers.**

## Equipment

Paper, pencil, ruler.

# MathSphere

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### Concepts

The following words and phrases should be learnt. Children should know what they mean and be able to read and write them, with the correct spelling.

*how many, as many as, the same number as, equal to,*

*more than, fewer than, greater than, less than,*

*smaller than, larger than,*

*most, least, smallest, largest,*

*order, first, last, before, after, next,*

*between, half way between.*

**Ordinal numbers:** *first, second, third, fourth....*

**Cardinal numbers:** *one, two, three, four....*

( Cardinal numbers indicate quantity, whilst ordinal numbers indicate position. )

> means 'is greater than' e.g.  $4 > 3$  or  $7 \times 8 > 2 \times 7$

< means 'is less than' e.g.  $8 < 10$  or  $2 \times 3 < 4 \times 4$

( The arrow always points to the smaller quantity. )

Numbers are to be compared and the larger, or largest, decided upon.

When counting, a number between two other numbers must be larger than the smaller number and smaller than the larger number.

When comparing two similar numbers begin the comparison with the most significant digit eg **4385**

4397 begin by comparing the thousands (4), then the hundreds (3) and so on.

More than - less than

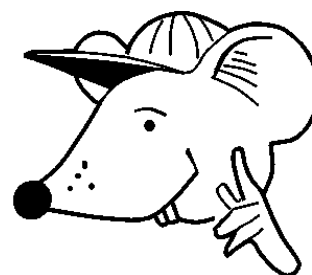
&gt; &lt;

< means " is less than".

You might see:  $4 < 6$ 

This means 4 is less than 6

> means " is more than".

You might see  $6 > 4$ 

This means 6 is more than 4

Put the correct sign in these statements:

1.  $8 \square 5$

2.  $5 \square 3$

3.  $2 \square 8$

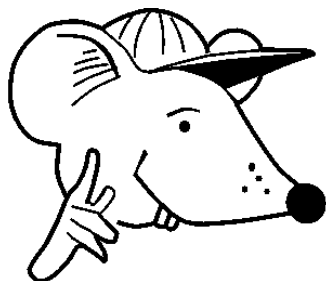
4.  $7 \square 3$

5.  $6 \square 1$

6.  $2 \square 5$

7.  $9 \square 8$

8.  $4 \square 9$

**More than - less than**

&lt; &gt;

I always think of it  
as the arrow points  
to the smaller  
number

Remember: < means "is less than" and > means "is more than"

Put the correct sign in these statements:

1. 72  65

2. 16  9

3. 27  38

4. 44  28

5. 43  29

6. 36  51

7. 54  62

8. 38  22

9. 29  34

10. 12  99

**COMPARING NUMBERS**

1. Which is more: 6 315 or 5 135 ?
2. Which is more: 4 769 or 6 135 ?
3. Which is more: 2 759 or 2 579 ?
4. Which is more: 9 035 or 9 305 ?
5. Which is more: 7 645 or 7 654 ?
6. Which is longer: 3 158 m or 3 518 m ?
7. Which is longer: 4 602 m or 4 062 m ?
8. Which is longer: 7 060 m or 7 600 m ?
9. Which is shorter: 3 135 km or 3 351 km?
10. Which is shorter: 5 476 km or 5 764 km?
11. Is £7 601 a smaller amount than £ 7 061 ?
12. Is £2 760 a larger amount than £ 2 670 ?
13. Is £3 050 less than £3 005 ?
14. Sam has walked 5 367 metres.  
Jim has walked 5 377 metres.  
Who has walked further? How many metres further?
15. Sarah has saved £1 056.  
Jenny has saved £1 059.  
Who has saved the most? How much more has she saved?

4 967 m is much  
further than  
4 679 m  
.... I think.....



**COMPARING NUMBERS**

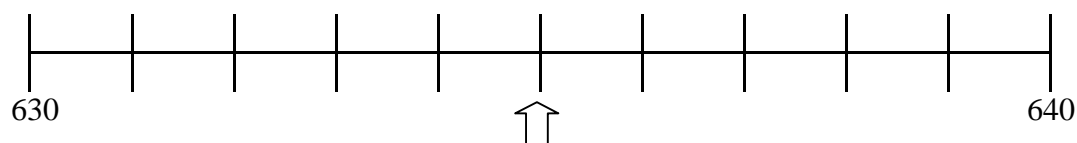
1. Which is more: 4 378 or 4 783 ?
2. Which is more: 5 409 or 5 904 ?
3. Which is more: 1 837 or 1 738 ?
4. Which is more: 2 244 or 2 442 ?
5. Which is more: 9 823 or 9 283 ?
6. Which is longer: 5 801 m or 5 108 m ?
7. Which is longer: 6 488 m or 6 884 m ?
8. Which is longer: 1 005 m or 1 050 m ?
9. Which is shorter: 4 790 km or 4 079 km?
10. Which is shorter: 1 773 km or 1 737 km?
11. Is £6 501 a smaller amount than £ 6 051 ?
12. Is £2 845 a larger amount than £ 2 854 ?
13. Is £7 654 less than £7 546 ?
14. Karen has walked 4 978 metres.  
Neeta has walked 4 878 metres.  
Who has walked further? How many metres further?
15. Chris has saved £ 2 375.  
James has saved £2 395.  
Who has saved the most? How much more has he saved?

I think I would rather have £6 501, given the choice....

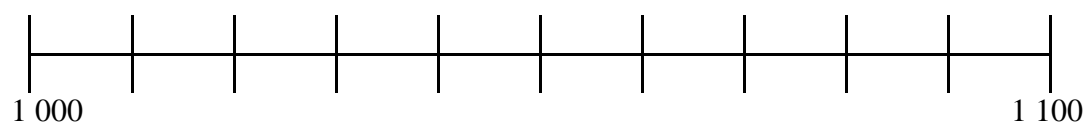


**NUMBER LINES**

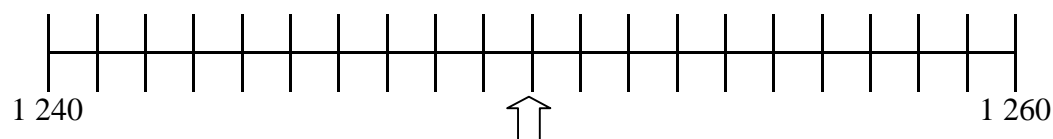
1. Show on the number line what number is half way between 630 and 640.



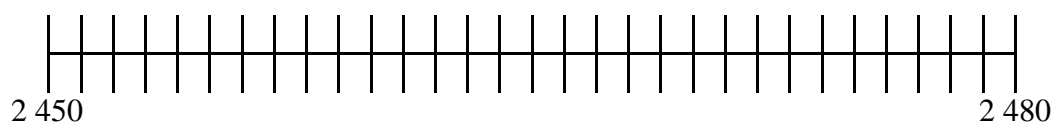
2. Show on the number line what number is half way between 1 000 and 1 100.



3. Show on the number line what number is half way between 1 240 and 1 260.



4. Show on the number line what number is half way between 2 450 and 2480.



**Without using a number line write down what is half way between these numbers:**

5. 4 350 and 4 360

6. 7 660 and 7 860

7. 5 900 and 6 000

8. 2 200 and 2 240

9. 3 450 and 3 650

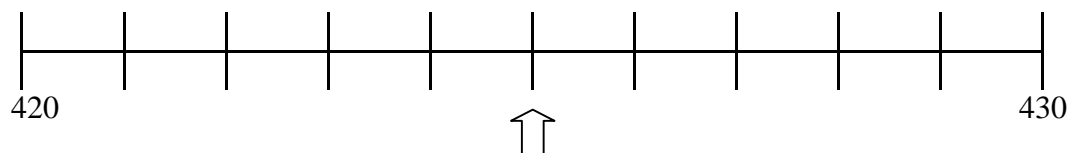
10. 5 480 and 5 500

11. My score for a test was half way between the bottom mark of 150 and the top mark of 170. What was my score?

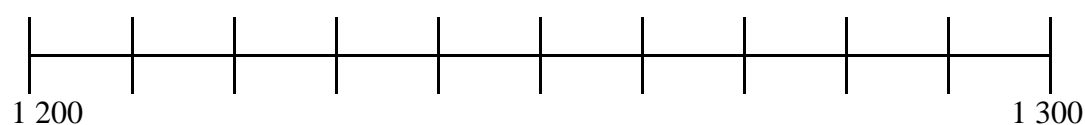
12. Sarah is 130 cm tall. Carol is 160 cm tall. Lindy is half way between the heights of Sarah and Carol. How tall is she?

## NUMBER LINES

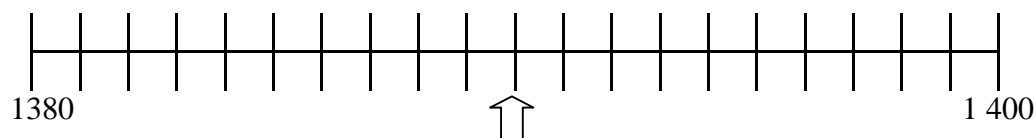
1. Show on the number line what number is half way between 420 and 430.



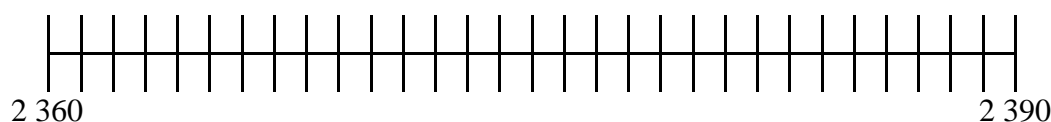
2. Show on the number line what number is half way between 1 200 and 1 300.



3. Show on the number line what number is half way between 1 380 and 1 400.



4. Show on the number line what number is half way between 2 360 and 2 390.



**Without using a number line write down what is half way between these numbers:**

5. 4 470 and 4 480      6. 7 800 and 8 000      7. 4 900 and 5 100

8. 2 800 and 3 400      9. 3 950 and 4 150      10. 5 900 and 6 900

11. Tim scored 140 in his end of term test. Carl got the top mark of 200. Matthew scored half way between Tim and Carl. What was his score?

12. Steve is 120 cm tall. Kevin is 160 cm tall. Andy is half way between the heights of Steve and Kevin. How tall is he?

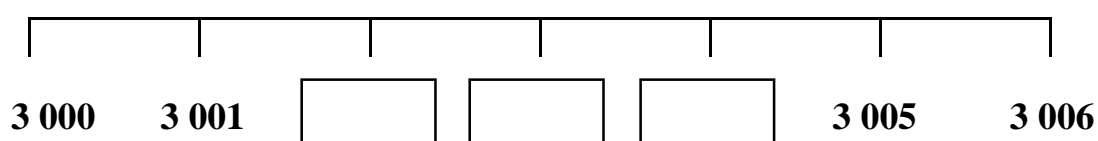


Fill in the missing numbers on these number lines:

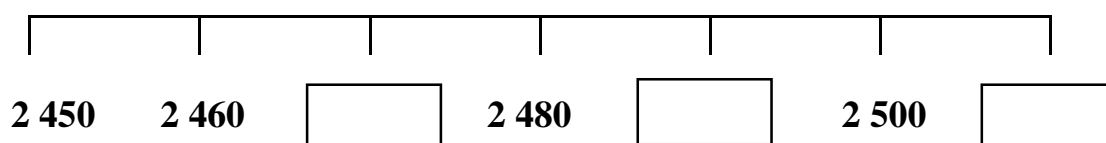
Check whether the numbers are going up in ones, tens or hundreds.



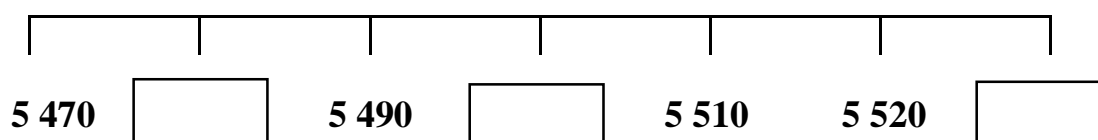
1.



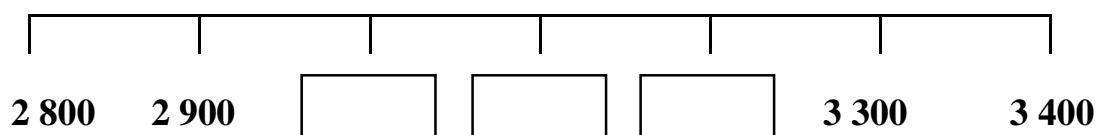
2.



3.



4.



5. My car cost between £ 7 950 and £ 8 250. Suggest what it might have cost.

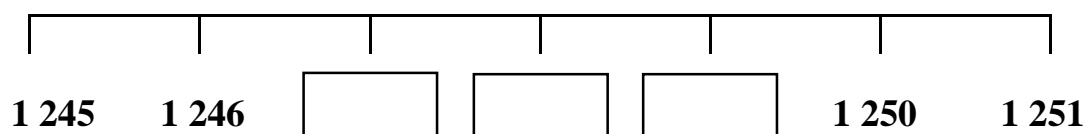
6. A family took between \$ 4 900 and \$ 5 100 dollars on holiday with them to Florida. Suggest exactly how much they might have taken.

Fill in the missing numbers on these number lines:

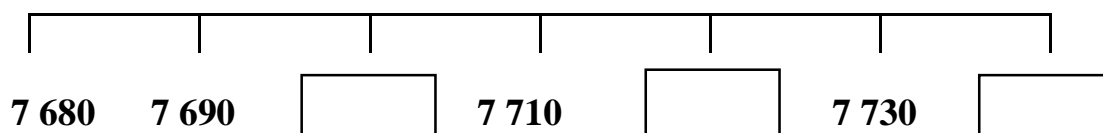
Are they going up in ones, tens or hundreds?



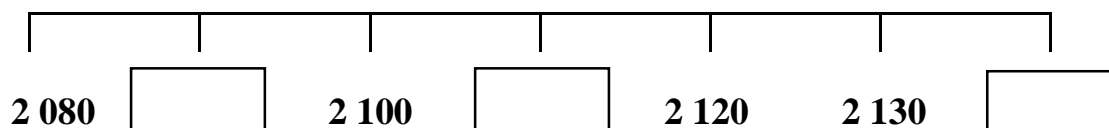
1.



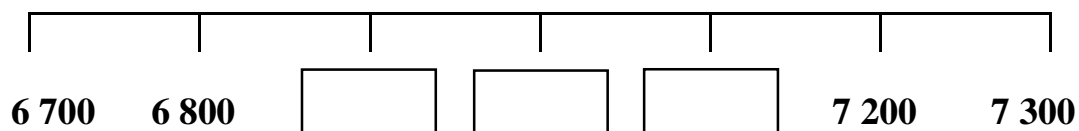
2.



3.



4.



5. Holidays to France cost between £1 350 and £1 500. Suggest what a holiday might have cost.

6. What is half way between 2 400 and 3 400 ?

Put these numbers in order, starting with the smallest:

1. 4 621      6 421      2 146      4 261      6 142

2. 7 070      7 700      7 007      0 707      0 770

3. 1 234      2 341      4 321      3 241      3 142


4. 5 739      5 379      5 397      5 793      5 973

Put these numbers in order, starting with the largest:

5. 2 468      4 268      2 684      2 864      2 648

6. 8 012      8 102      8 120      8 021      8 201

7. Put these rivers in order of size, starting with the longest:

River Yukon	3 184 km	<div>How many ssss?</div> 
River Mississippi	3 778 km	
River Danube	2 858 km	
River Murray	2 520 km	
River Zambesi	2 735 km	

8. If  $3\,250 < \square < 3\,260$ , list all the whole numbers  $\square$  could be.

9. TRUE or FALSE ?       $3\,579 > 4\,879$

10. TRUE or FALSE ?       $2\,047 > 1\,999$

Put the correct sign in the box to make these statements true

11.  $2\,850 \square 2\,580$

12.  $4\,444 \square 3\,333$

13.  $5\,278 \square 8\,257$

14.  $1\,166 \square 1\,616$

**Answers****Page 3**

1.  $8 > 5$     2.  $5 > 3$     3.  $2 < 8$     4.  $7 > 3$     5.  $6 > 1$     6.  $2 < 5$     7.  $9 > 8$     8.  $4 < 9$

**Page 4**

1.  $72 > 65$             2.  $16 > 9$             3.  $27 < 38$             4.  $44 > 28$             5.  $43 > 29$   
6.  $36 < 51$             7.  $54 < 62$             8.  $38 > 22$             9.  $29 < 34$             10.  $12 < 99$

**Page 5**

1. 6 315            2. 6 135            3. 2 759            4. 9 305            5. 7 654  
6. 3 518 m        7. 4 602 m        8. 7 600 m        9. 3 135 km        10. 5 476 km  
11. no            12. yes            13. no            14. Jim 10m        15. Jenny £3

**Page 6**

1. 4 783            2. 5 904            3. 1 837            4. 2 442            5. 9 823  
6. 5 801 m        7. 6 884 m        8. 1 050 m        9. 4 079 km        10. 1 737 km  
11. no            12. no            13. no            14. Karen 100 m    15. James £20

**Page 7**

1. 635            2. 1 050            3. 1 250            4. 2 465            5. 4 355            6. 7 760  
7. 5 950        8. 2 220            9. 3 550            10. 5 490            11. 160            12. 145 cm

**Page 8**

1. 425            2. 1 250            3. 1 390            4. 2 375            5. 4 475            6. 7 900  
7. 5 000        8. 3 100            9. 4 050            10. 6 400            11. 170            12. 140 cm

**Page 9**

1. 3 002, 3 003, 3 004                            2. 2 470, 2 490, 2 510  
3. 5 480, 5 500, 5 530                            4. 3 000, 3 100, 3 200  
5. any whole number between £7 950 and £8 250  
6. any whole number between \$4 900 and \$5 100

**Answers****Page 10**

- 1.** 1 247, 1 248, 1 249                      **2.** 7 700, 7 720, 7 740  
**3.** 2 090, 2 110, 2 140                      **4.** 6 900, 7 000, 7 100  
**5.** any number between £1 350 and £ 1 500                      **6.** 2 900

**Page 11**

- 1.** 2 146, 4 261, 4 621, 6 142, 6 421    **2.** 0 707, 0 770, 7 007, 7 070, 7 700  
**3.** 1 234, 2 341, 3 142, 3 241, 4 321    **4.** 5 379, 5 397, 5 739, 5 793, 5 973  
**5.** 4 268, 2 864, 2 684, 2 648, 2 468    **6.** 8 201, 8 120, 8 102, 8 021, 8 012  
**7.**     Mississippi    3 778 km  
         Yukon         3 184 km  
         Danube        2 858 km  
         Zambesi        2 735 km  
         Murray        2 520 km  
**8.** 3 251, 3 252, 3 253, 3 254, 3 255, 3 256, 3 257, 3 258, 3 259  
**9.** false   **10.** True    **11.**  $2\,850 > 2\,580$     **12.**  $4\,444 > 3\,333$   
**13.**  $5\,278 < 8\,257$     **14.**  $1\,166 < 1\,616$