

RECALL

Ali puts these five numbers in their correct places on a number line.

511

499

502

555

455

Write the number closest to 500.

Write the number furthest from 500.



RECALL ANSWERS

Ali puts these five numbers in their correct places on a number line.

511

499

502

555

455

Write the number closest to 500. **499**

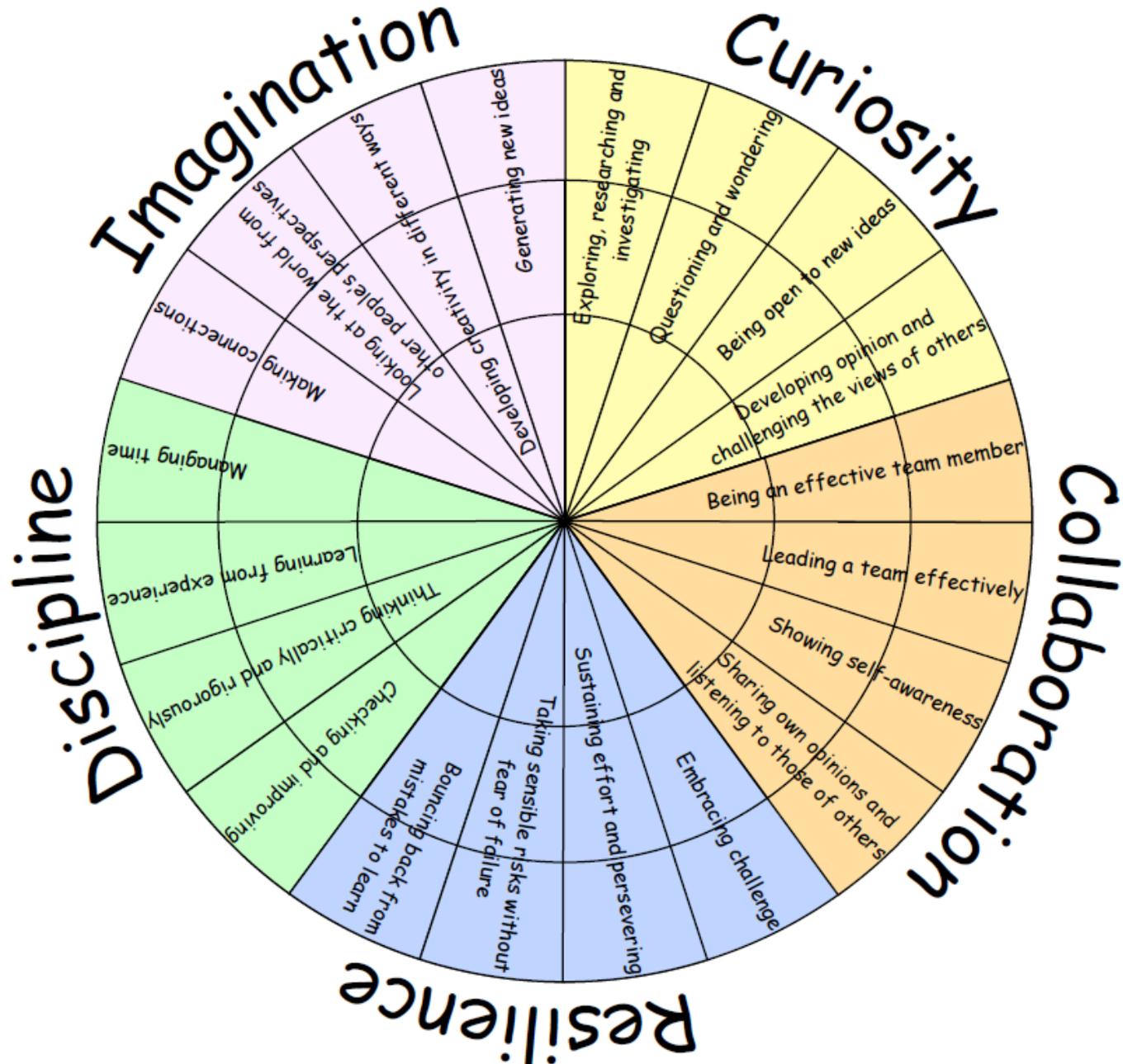
Write the number furthest from 500. **555**



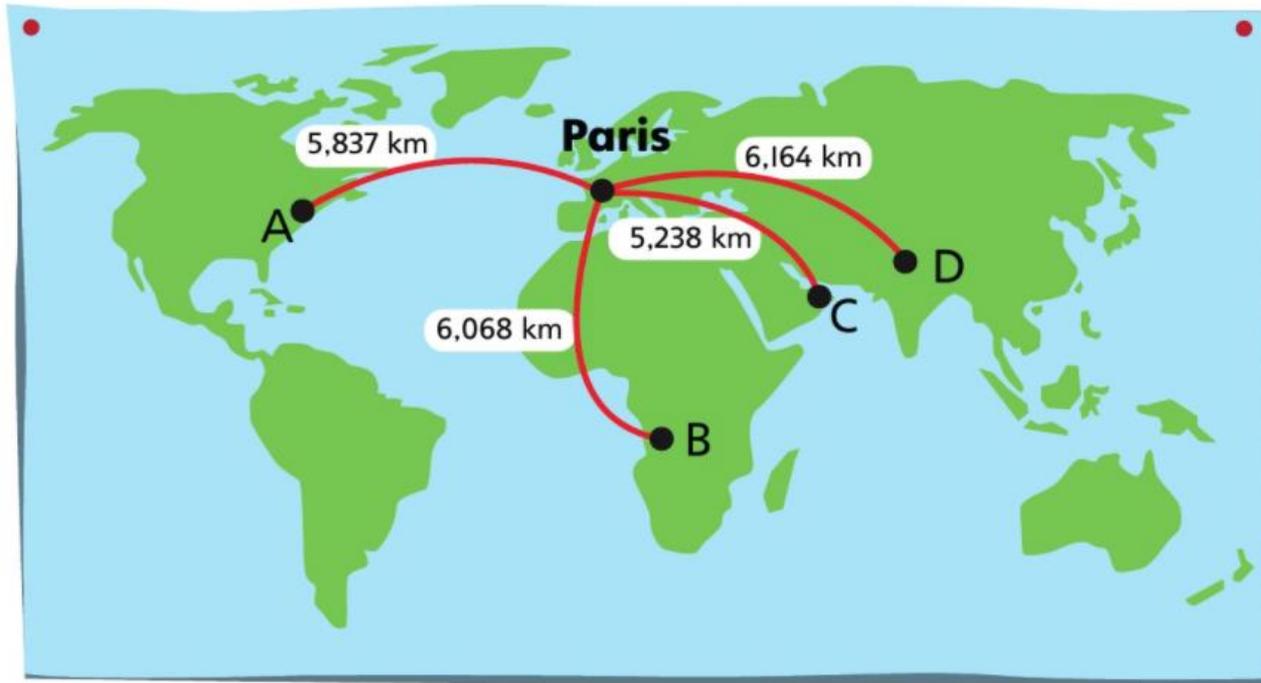
PLACE VALUE

Problem solving

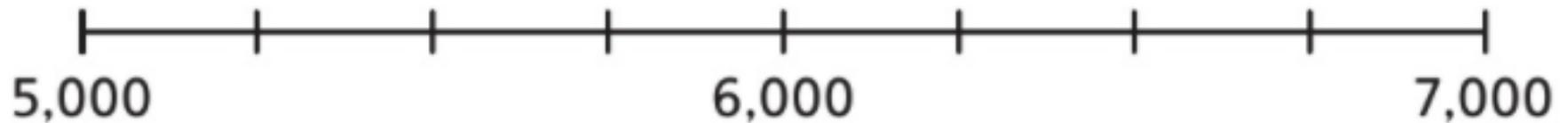
LEARNING HABITS?



GUIDED PRACTICE



1) Place each distance shown on the map on this number line.

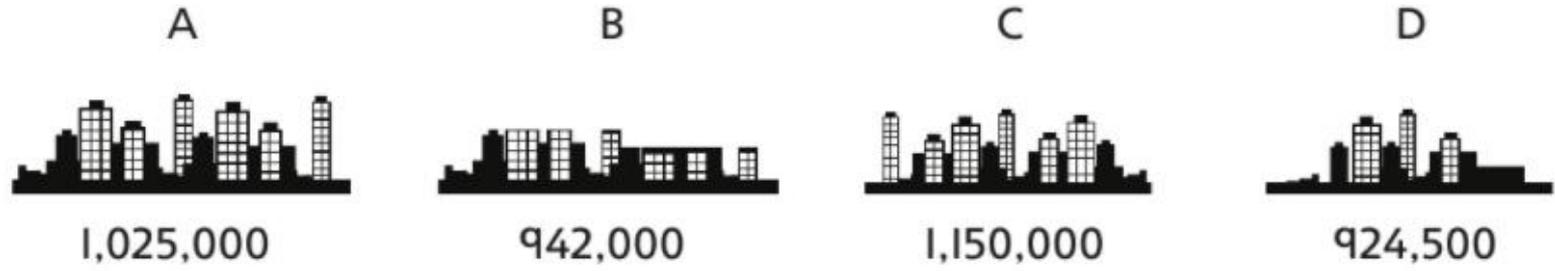


2) The distance from Paris to three of the cities rounds to the same multiple of 1,000km.

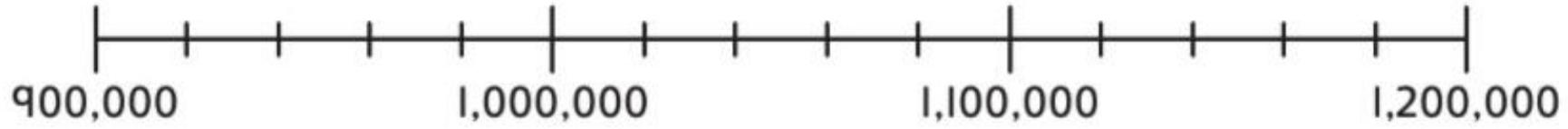
What is the multiple, and which are the cities?

DIVE DEEPER 1

1) The approximate population of four cities is shown here.



a) Where will each number be positioned on this number line?



b) The populations of the cities are compared. Complete the statements to make them true.

942,000 > _____
 924,500 < _____ < _____

2) The table shows children's scores for a computer game.

Max	57,483
Emma	56,832
Jamilla	57,843
Richard	56,809

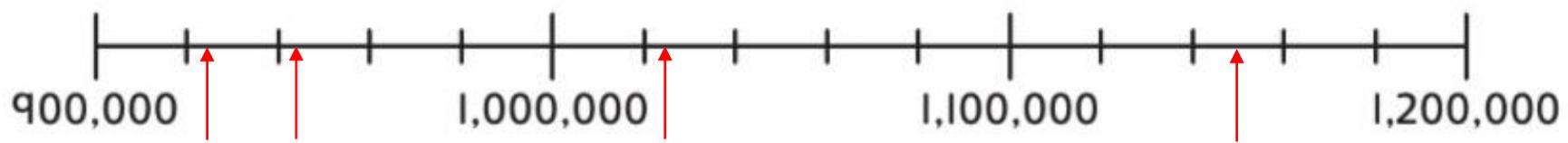
a) Max's score < _____
 b) _____ < Emma's score
 c) _____ < _____ < _____ < _____

DIVE DEEPER 1 ANSWERS

1) The approximate population of four cities is shown here.



a) Where will each number be positioned on this number line?



b) The populations of the cities are compared. Complete the statements to make them true.

$942,000 > 924,500$
 $924,500 < 1,025,000 < 1,150,000$

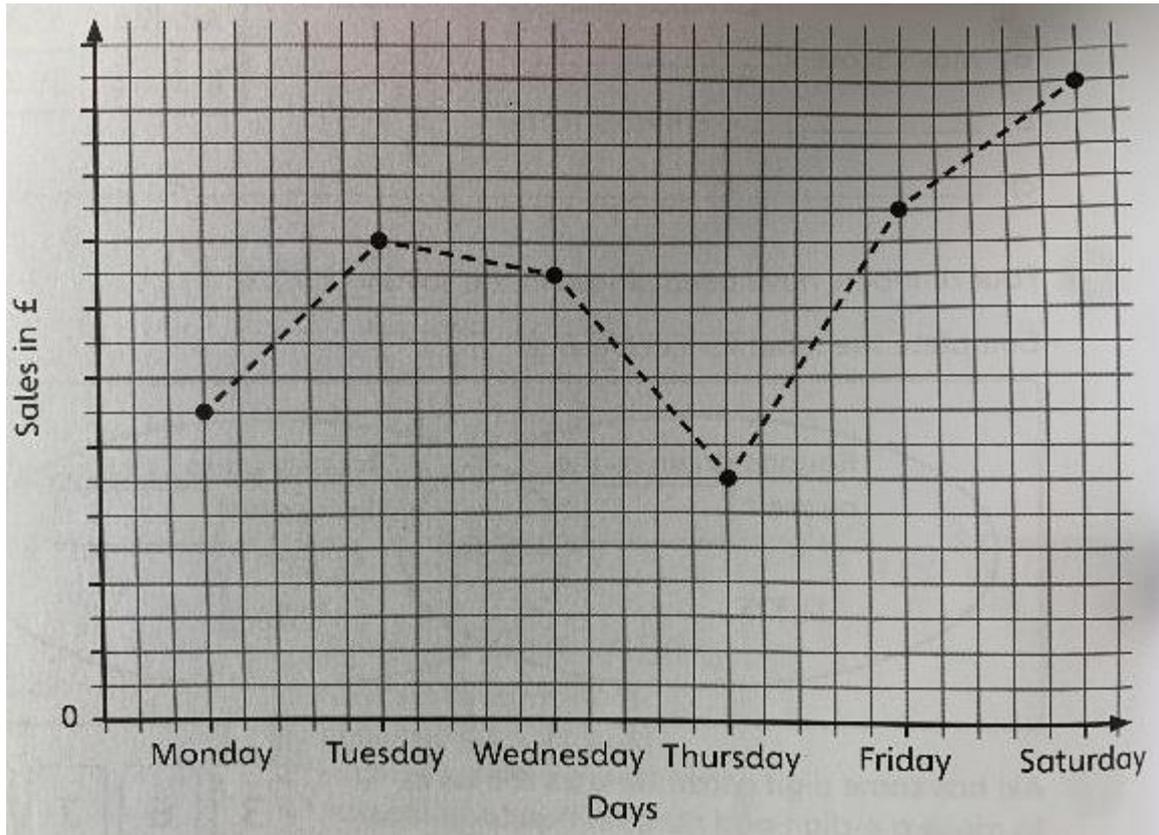
2) The table shows children's scores for a computer game.

Max	57,483
Emma	56,832
Jamilla	57,843
Richard	56,809

- a) Max's score < Jamilla's score
- b) Richard's score < Emma's score
- c) Richard's < Emma's < Max's < Jamilla's

DIVE DEEPER 2

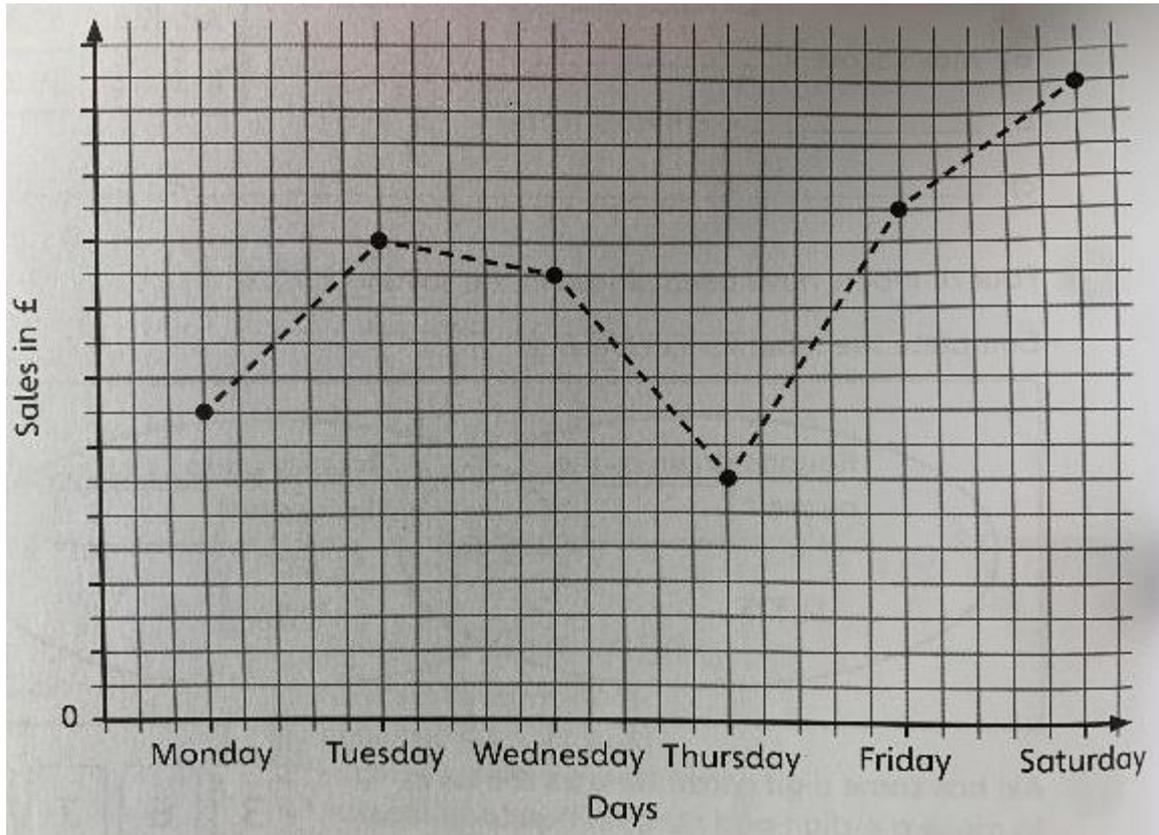
3) The line graph shows the money made each day by a toy shop in a week. The numbers on the scale are missing. Use the graph to complete the table. Label the scale to help you.



Days	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Sales in £	1,800					

DIVE DEEPER 2 ANSWERS

3) The line graph shows the money made each day by a toy shop in a week. The numbers on the scale are missing. Use the graph to complete the table. Label the scale to help you.



Days	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Sales in £	1,800	2,800	2,600	1,400	3,000	3,800

DIVE DEEPER 3

4) The population of City X rounds to 483,000 to the nearest 1,000.

The population of City Y rounds to 480,000 to the nearest 10,000.

Jamie says, 'The population of City X must be larger because 483,000 is larger than 480,000.'

Do you agree? Explain your answer.

5) Luis makes three different 4-digit numbers using these cards. He places each number in a different section on the number line.



- He places an odd number in section B, it rounds up to the nearest 1,000.
- The number in section D is a multiple of 10 but not a multiple of 50.
- The last number has an even number of hundreds.

Find three numbers that Luis could have made.
How many solutions can you find?

DIVE DEEPER 3 ANSWERS

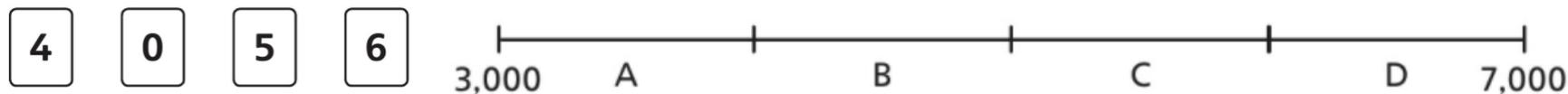
4) The population of City X rounds to 483,000 to the nearest 1,000.

The population of City Y rounds to 480,000 to the nearest 10,000.

Jamie says, 'The population of City X must be larger because 483,000 is larger than 480,000.'

Do you agree? **No because 483,499 is the largest possible population City X can have whereas City Y could have a population of 484,999.**

5) Luis makes three different 4-digit numbers using these cards. He places each number in a different section on the number line.



- He places an odd number in section B, it rounds up to the nearest 1,000.
- The number in section D is a multiple of 10 but not a multiple of 50.
- The last number has an even number of hundreds.

Find three numbers that Luis could have made. **4605, 6540, 5460**

How many solutions can you find? **There are many different solutions**