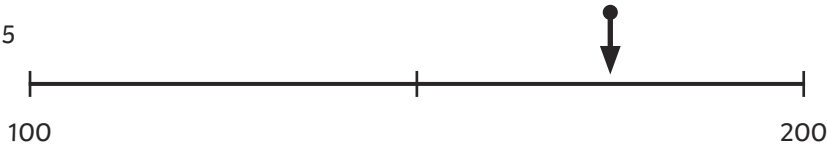
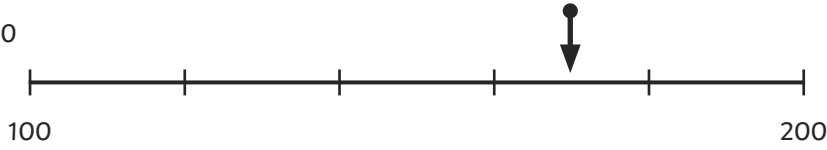




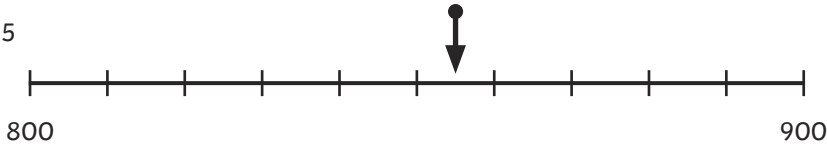
1) a) 175



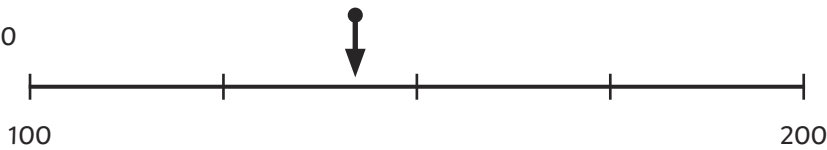
b) 170



c) 855



d) 140



- 2) The intervals are 10. A is approximately 445.
- 3) Accept approximate answers close to the following:
 - A = 325
 - B = 350
 - C = 355
 - D = 382

- 1) Meera is wrong. The third increment is 475, so the estimate should be less than that. 470 would be a sensible estimate.
- 2) The increments increase by 20, the arrow is after 840 so Jude is correct.
- 3) The first number line has intervals of 20. The arrow A is pointing at approximately 138. The second number line has intervals of 10. The arrow B is pointing at approximately 132. B is the smaller value.



1)

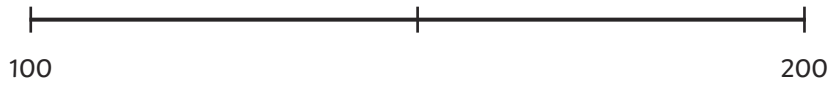
Clue	Letter
80 + 90	E
100 less than 238	C
20 more than 165	D
50 + 60 + 80	B
5 less than 180	A





1) Draw an arrow to estimate these numbers on the number lines.

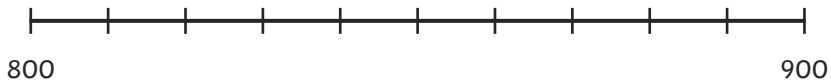
a) 175



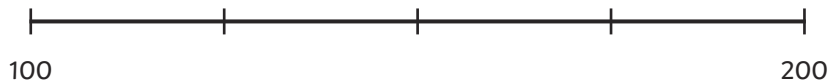
b) 170



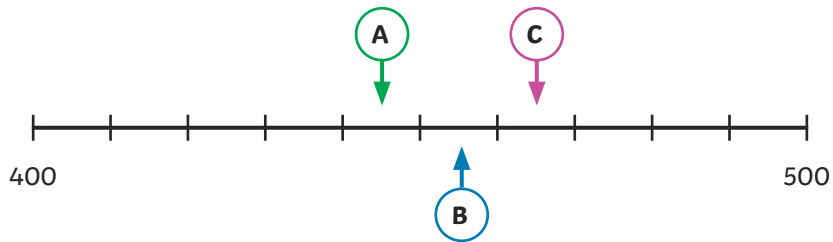
c) 855



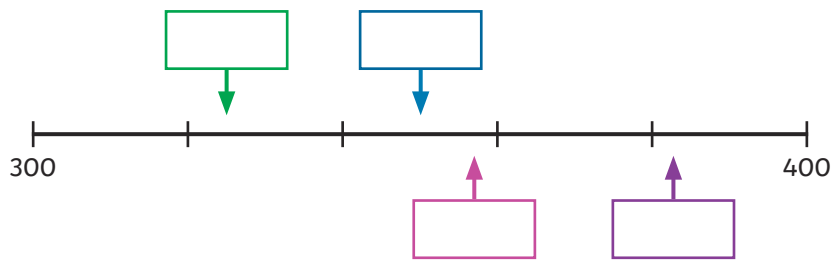
d) 140



2) Shade the letter that is the best estimate for 445 on this number line.

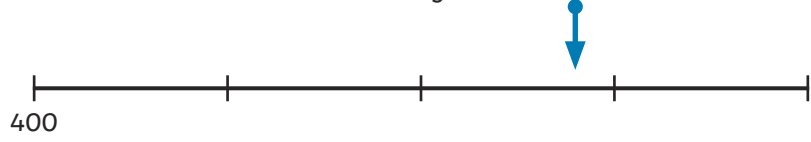


3) Estimate the values.





1) Meera has drawn a number line and marked the starting value.



Each interval represents 25.



Meera

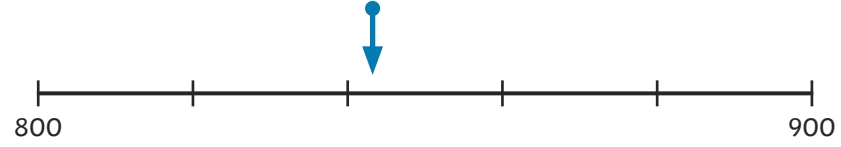
I estimate the arrow to be showing 480.

Do you agree with Meera? Explain your reasoning.

2) Jude and Sian are estimating the value indicated on the number line. Who is correct? Explain your reasoning.



Sian



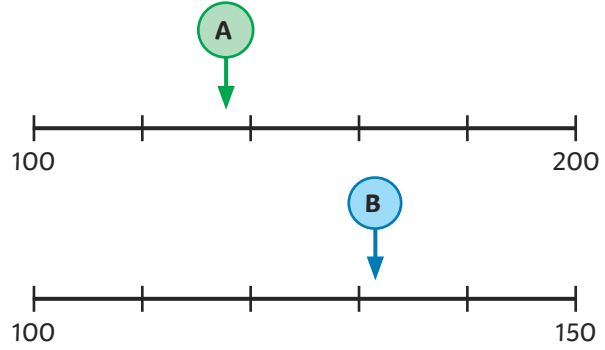
I estimate the value to be less than 840.



Jude

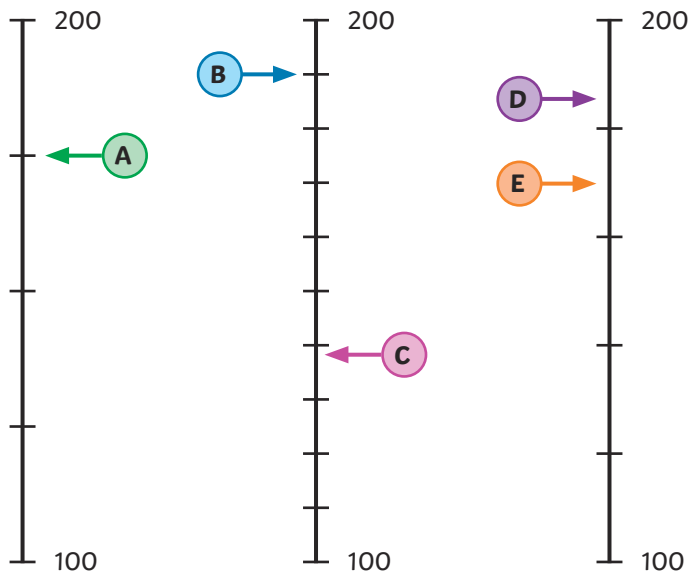
I estimate the value to be more than 840.

3) On the number lines, which arrow is placed at the smaller number? Explain your reasoning.





1) a) Match the clues to the letters shown on the vertical number lines.



Clue	Letter
$80 + 90$	
100 less than 238	
20 more than 165	
$50 + 60 + 80$	
5 less than 180	

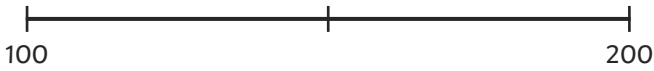
b) Create 3 clues for your partner that could match a letter on the number lines.



1) Draw an arrow to estimate these numbers on the number lines.



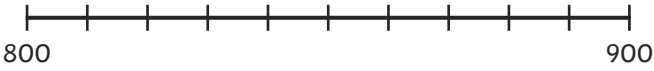
a) 175



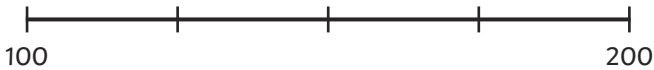
b) 170



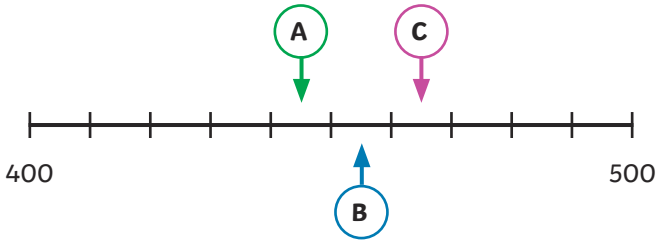
c) 855



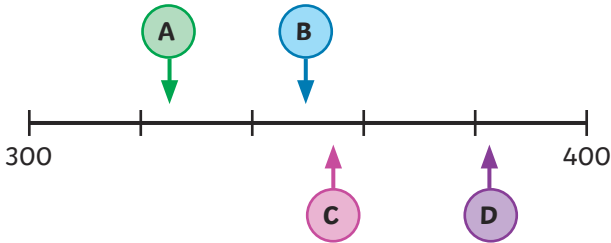
d) 140



2) Which letter is the best estimate for 445 on this number line?



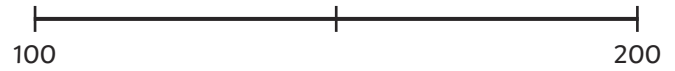
3) Estimate the values.



1) Draw an arrow to estimate these numbers on the number lines.



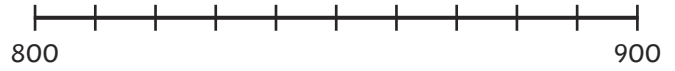
a) 175



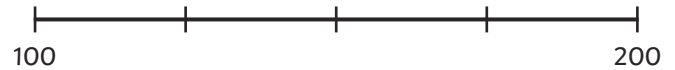
b) 170



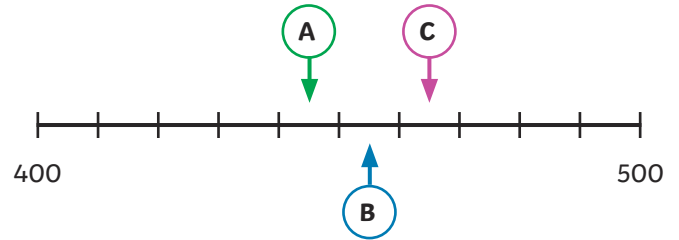
c) 855



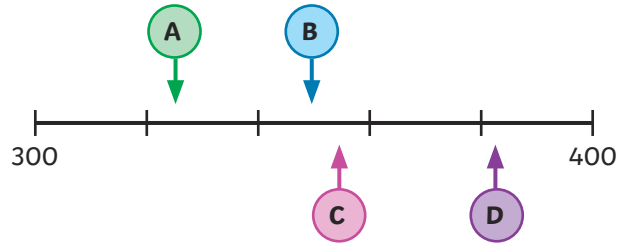
d) 140



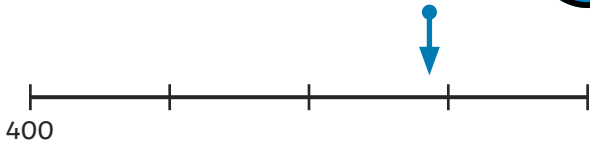
2) Which letter is the best estimate for 445 on this number line?



3) Estimate the values.



- 1) Meera has drawn a number line and marked the starting value.



Each interval represents 25.

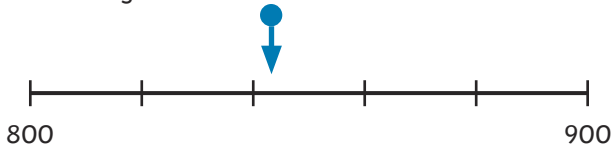


I estimate the arrow to be showing 480.

Meera

Do you agree with Meera? Explain your reasoning.

- 2) Jude and Sian are estimating the value indicated on the number line. Who is correct? Explain your reasoning.



I estimate the value to be less than 840.

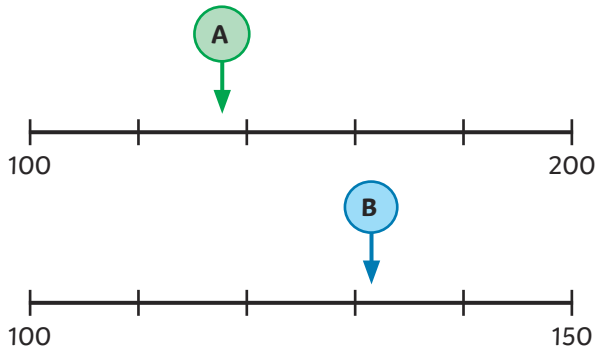
Sian

I estimate the value to be more than 840.

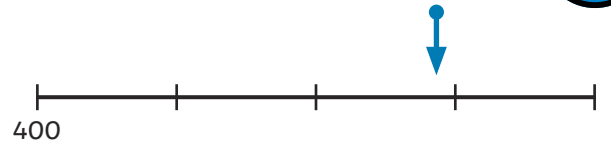


Jude

- 3) On the number lines, which arrow is placed at the smaller number? Explain your reasoning.



- 1) Meera has drawn a number line and marked the starting value.



Each interval represents 25.

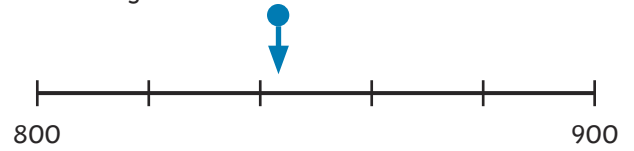


I estimate the arrow to be showing 480.

Meera

Do you agree with Meera? Explain your reasoning.

- 2) Jude and Sian are estimating the value indicated on the number line. Who is correct? Explain your reasoning.



I estimate the value to be less than 840.

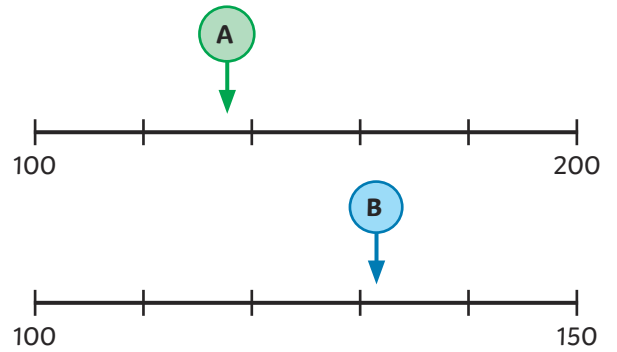
Sian

I estimate the value to be more than 840.

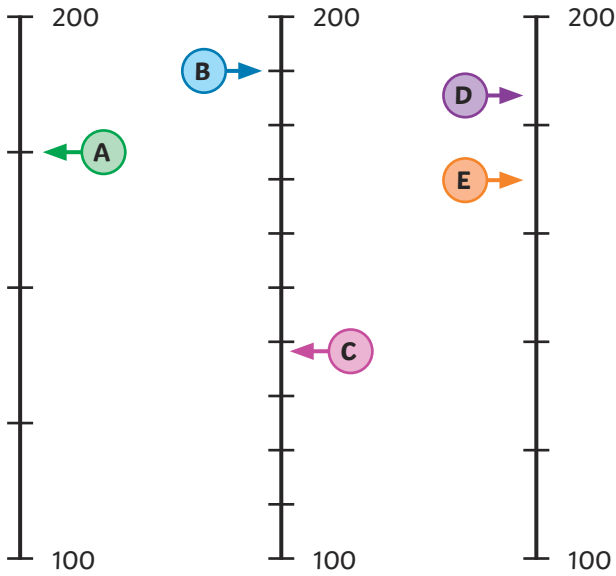


Jude

- 3) On the number lines, which arrow is placed at the smaller number? Explain your reasoning.



1) a) Match the clues to the letters shown on the vertical number lines.

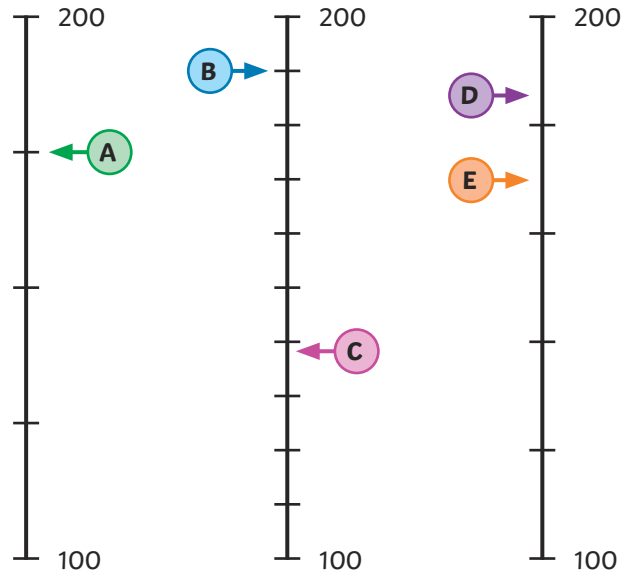


Clue
$80 + 90$
100 less than 238
20 more than 165
$50 + 60 + 80$
5 less than 180

b) Create 3 clues for your partner that could match a letter on the number lines.



1) a) Match the clues to the letters shown on the vertical number lines.



Clue
$80 + 90$
100 less than 238
20 more than 165
$50 + 60 + 80$
5 less than 180

b) Create 3 clues for your partner that could match a letter on the number lines.

