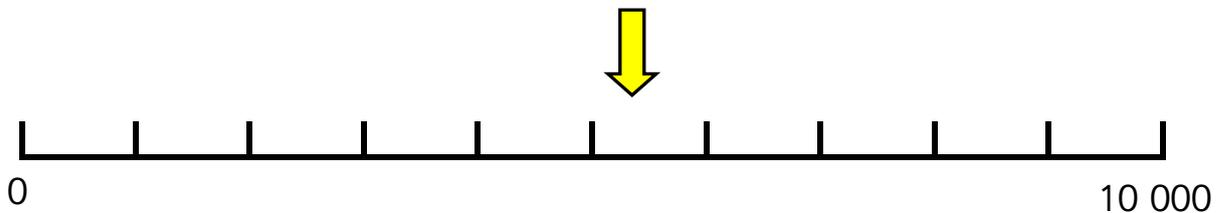


How to estimate on a number line

Maths worksheets from mathsblog.co.uk

Here is a number line where you are asked to estimate where the arrow is pointing.

In this case, for it to be a good estimate you would need to be between the numbers which are a thousand below and a thousand above. Then, to be even better, you can judge how near to that thousand your number is.

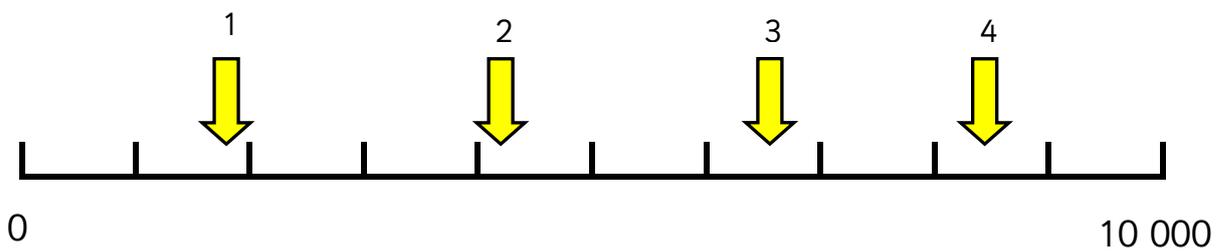


Firstly you need to work out how the line has been divided. In this case it is going up in steps of 1 000. So the first line after zero is 1 000, the second is 2 000 and so on.

Our arrow is between 5 000 and 6 000, so the number will be 5 thousand and something.

Then try to judge more carefully where between 5 000 and 6 000 it lies. It is below half way, but not quite a quarter of the way, so I think it is somewhere between 5 250 and 5 500. I will estimate it at 5 350. You might as well round your estimate to the nearest 50 or 100 as nobody can be accurate to a single digit on this scale.

Now try estimating where these arrows are on the scale.



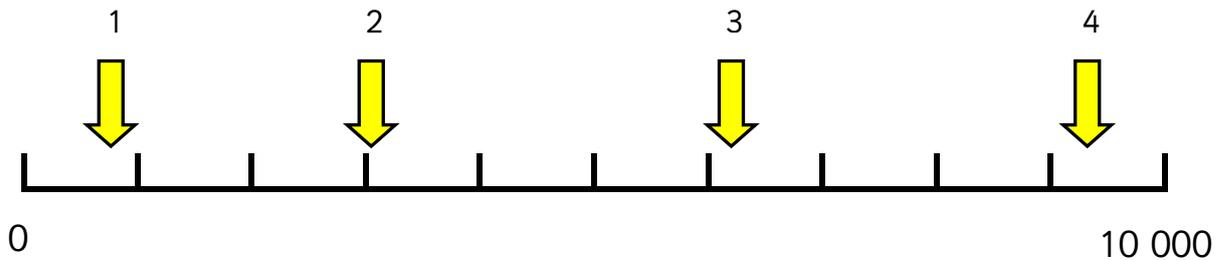
- 1.
- 2.
- 3.
- 4.

How to estimate on a number line

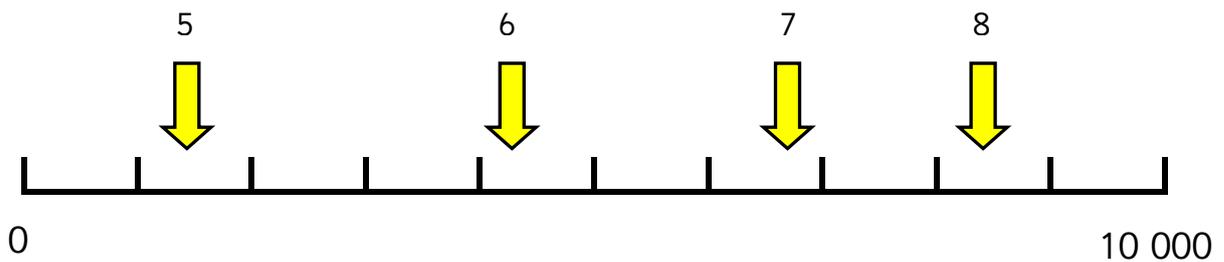
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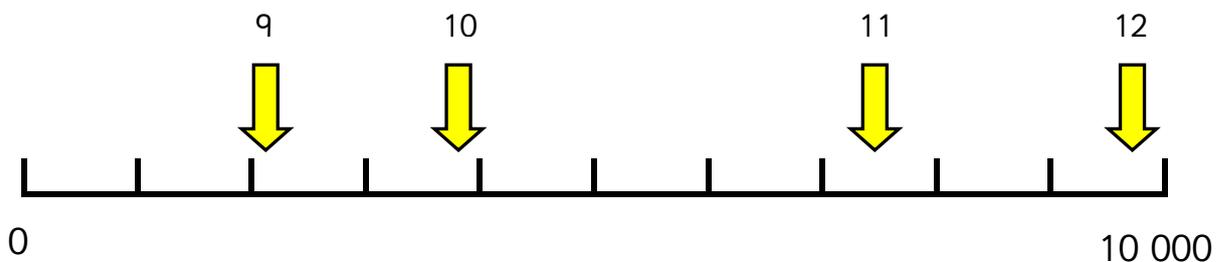
Estimate where you think these numbers are on the 0 to 10 000 number lines.



1. _____ 2. _____ 3. _____ 4. _____



5. _____ 6. _____ 7. _____ 8. _____



9. _____ 10. _____ 11. _____ 12. _____

Answers

Note all answers are approximate and at least 50 either side can be considered a good estimate

Page 1

1. 1 800 2. 4 200 3. 6 650 4. 8 400

Page 2

1. 750 2. 3 050 3. 6 150 4. 9 300

5. 1 400 6. 4 300 7. 6 750 8. 8 400

9. 2 100 10. 3 800 11. 7 500 12. 9 700