Maths: Let's Talk

Y6 Place value

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Teacher Guidance

- This PowerPoint contains concept cartoons with children expressing their understanding of key Maths concepts
- On each slide usually 1 child has understood the concept; the others have common misconceptions
- Ask children to discus the views of all the children shown to ascertain which one has understood the concept
- This resource can be used to assess understanding prior to teaching; to gauge learning during teaching or at the end of a unit of work to assess retention
- It is suggested that you use the cartoons in the order that suits the needs of your class.

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What do you think of the statements made by these children about using commas in numbers?

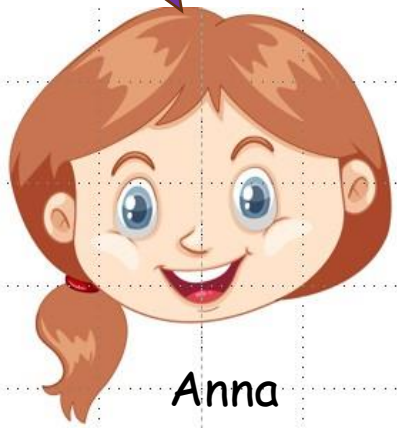
I think that you put commas in large numbers wherever you want.

Lian

I think that you put commas every third digit to the left of the decimal point.

Fatima

I think that you don't need to use commas in large numbers.



Anna

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What do you think of the statements made by these children about multiplying by 100?

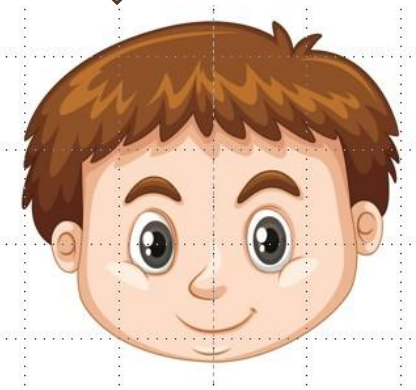
If you multiply by 10 twice it is the same as multiplying by 100.

Ajay

To multiply by 100 you move all the digits to the right by 2 places.

Duncan

To multiply by 100 you use a written method like long or short multiplication.



Danny

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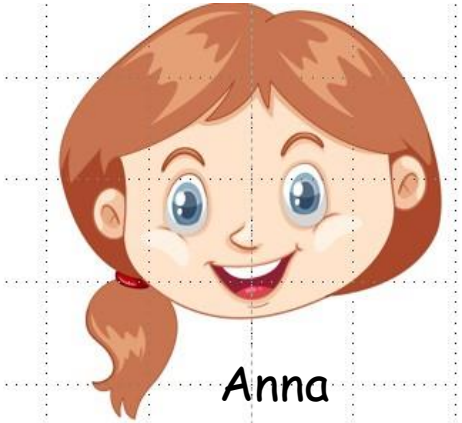
What do you think of the statements made by these children about rounding?

Ifa number is exactly halfway between 2 successive multiples, then you can choose to round up or down.

Fatima

.If a number has a 5 in it, then you must round up.



Anna

If the digit one place to the right from the rounding digit is 0, 1, 2, 3, or 4 then you round down.

Duncan

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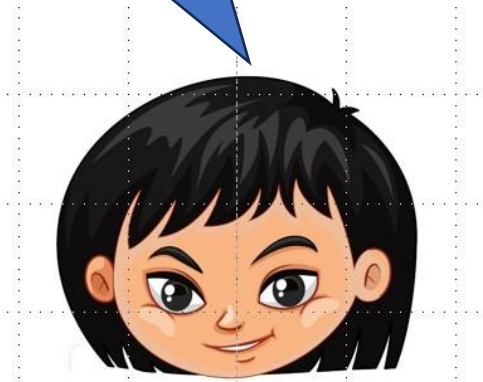
What do you think of the statements made by these children about inequality symbols?

I think that 750,000 > 250,000 < half a million.

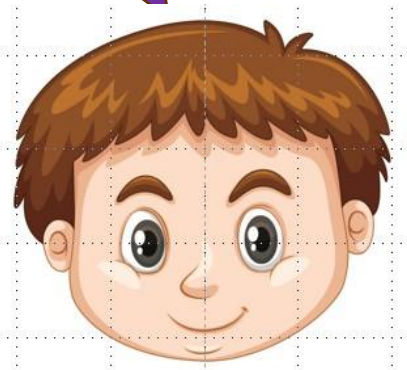


Lian

I think that 750,000< $\frac{1}{4}$ of a million < 500,000.

Ajay

I think that $\frac{3}{4}$ of a million > 250,000 > 500,000.



Danny

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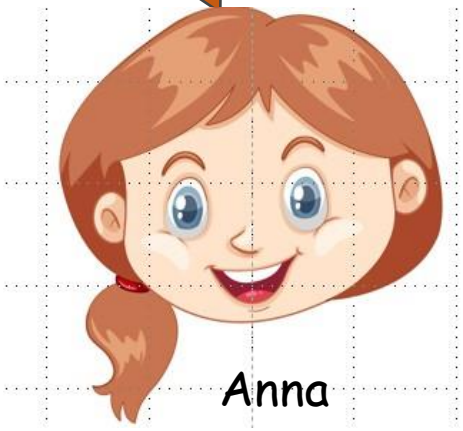
What do you think of the statements made by these children about negative numbers?

I think that negative numbers are the numbers between zero and one.

Duncan

I think that negative numbers are the numbers below zero.



Anna

I think that negative numbers are the answers to subtraction calculations.

Ajay

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