

## Windows into Students' Thinking

Video 1:

Look at the question given below:

$$(a + b)^4 = \underline{\hspace{2cm}}$$

1. Do you think majority of Class 9 students can solve this problem? Why?

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2. Can you predict some of the common wrong answers students will give for this?

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3. Can you rank the different options you see on the board in increasing order of percentage of students choosing them?

1<sup>st</sup> Option \_\_\_\_\_

2<sup>nd</sup> Option \_\_\_\_\_

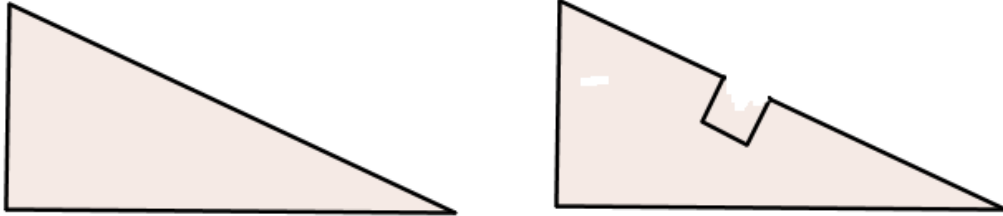
3<sup>rd</sup> Option \_\_\_\_\_

4<sup>th</sup> Option \_\_\_\_\_

Video 2:

Look at the question given below:

A square of perimeter of 20cm is cut of from a triangular piece of paper of perimeter of 80cm as shown in the below figure.



1. Do you think majority of Class 9 students can solve this problem? Why?

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2. Can you predict some of the common wrong answers students will give for this?

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3. Can you rank the different options you see on the board in increasing order of percentage of students choosing them?

1<sup>st</sup> Option \_\_\_\_\_

2<sup>nd</sup> Option \_\_\_\_\_

3<sup>rd</sup> Option \_\_\_\_\_

4<sup>th</sup> Option \_\_\_\_\_