# Math Constructive Conversation Skills Poster



**Fortify** 

## Prompt starters:

What are we trying to do? What is the problem asking? How does the problem begin? What happens in the problem? What do we need to know? How can we break this down? What type of problem is this? What patterns do we notice? What's a possible plan for solving it? What is your estimate for the answer? Why are you doing that? Where did that number come from?

#### Response starters:

In order to , we need to ... In other words, More specifically, it is ... because... Let's see, it is similar to the problem about ... that we did because... It is important to because Let's stay focused on .... Let's get back to the idea of... In future problems like this one we need to remember to...

## Create



## Prompt starters:

How else can we show this? How can we draw or graph this? What symbols can we use? How can we explain this to others? How can we write what we are thinking/doing?

How can we translate this into symbols? Let's back up and try a different way. Which method is most useful? Why?

## Response starters:

Maybe we can use... Another way to show this is... In math symbols we could write...

We can draw it like this because it says...

Let's try to... and see what happens.

# **Build Math Solutions.** Ideas, & Understandings

# **Negotiate**



# Prompt starters:

Can you explain why you...? What does that mean?

What are you doing?

What math rule are you using?

Can you give an example?

How does the sample problem help us? What are examples of this problem

from real life?

Can you clarify where you...? How did you get this answer?

Response starters:

If we \_\_\_\_, then we need to \_\_\_\_ because...

A key mathematical principle is making sure that you...

In real life this is similar to when vou want to...

An example from my life is One case that illustrates this is... In math, we always need to... Let me show you what I mean. We can't do that because it...

Prompt starters:

How can we add to the idea of...

What do you think about this strategy for solving it?

What else could support this idea?

Do vou agree?

What contradicts this? What are other points of view?

What did we learn from doing this problem? How will it help in life? Let's create a similar problem.

Response starters:

That reminds me of...

I want to add on to your idea of...

That idea connects to... I see it a different way,

On the other hand, ...

That makes me think of

We can agree that...