problem plan data analysis conclusions

Lego!

What is worth noticing about Lego?
Can you think of a question to investigate?

How much... ?

Is it the case that... ?

I wonder... ?

To what extent... ?

Can I found out if... ?

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How will you collect information (data) to answer your question (problem)?

How can we find out?

Are we expecting complications? What can we do about them?

Do we need to know about more than one thing?

What do we need to know?

Are there other ways we could try to answer the same question? Why might we want or not want to try those ways?

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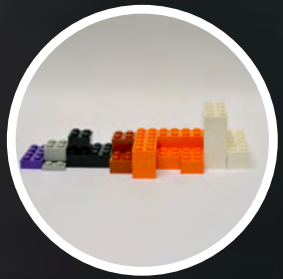
Lego!

How will you collect and organise the data?

Data

Sorted



Arranged

Presented visually

How can you collect your data?

What does your plan or question need you to do with your data?

What are your units of measurement?

How can you organise your data?

What's surprised you?

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Lego!

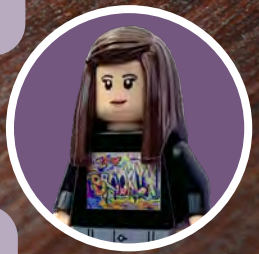
What have you found out?

What do you notice or wonder?

What kinds of graphs or charts or tables or diagrams could you use to share your information?

Are there shapes or patterns that tell you something interesting?

What can you tell?



What can't you tell?

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Can you answer your question?

Does what you found out make sense? Is it what you expected?

What was effective about how you tried to find out what's going on? What were the challenges and limitations?

Have you learnt something new about your original problem?

Do you need more information to answer your question or problem?

Are there new problems you need to think about?