

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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Lego!

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

How can you find out?

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

Do you need to know about more than one thing?

What do you need to know?

Are there other ways you can try to answer the same question? Why would trying different ways be a good idea?



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Lego!

How will you collect and organise the data?



Data



Sorted



Arranged



Presented visually

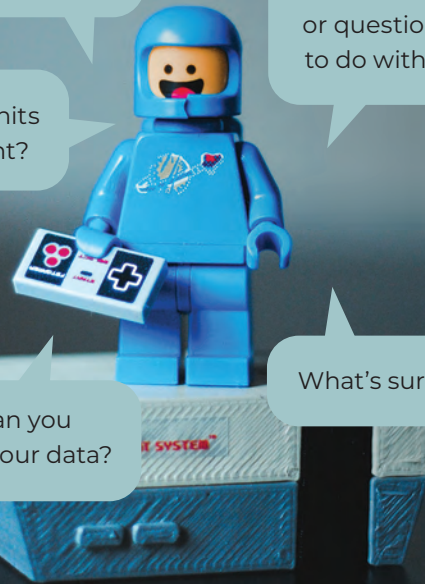
How can you collect your data?

What are your units of measurement?

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

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?

Are there shapes or patterns that tell you something interesting?



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

What can you tell?



What can't you tell?

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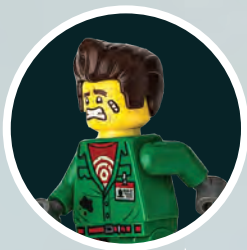
conclusions



Lego!

Can you answer your question?

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



Have you learnt something new about your original problem?

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



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

Are there new problems you need to think about?

