To be able to explore using part-whole models

Starter:
What do all the groups of objects below have in common?

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Activity 1:
Complete the part-whole models below.

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Activity 1 (continued):
Create your own pair of part-whole models.

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Activity 2:
Here are nine counters.

Put the counters into a part-whole model.

Complete the sentences:
___ is the whole.
___ is a part.
___ is a part.
___ is a part.

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Activity 3:
Draw the part whole models that match the following sentence:

7 is the whole.
2 is a part.
5 is a part.

10 is the whole.
7 is a part.
3 is a part.

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Activity 4:
If 5 is the whole, how many different part-whole models can you draw to show different parts that make the whole.

Are any of the number pairs the same?
Explain why.

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Activity 5:

Split class into groups of between 7, 8 or 9 children.

How many different ways can you split yourselves into groups?
(Gender, height, clothing, eye color, hair color...)

Complete a part-whole model for the different groupings you think of in your group.

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Evaluation:

How many different ways can the objects below be grouped into part-whole models?