

To be able to read, interpret and draw pictograms

MathShed

Starter:
Which one doesn't belong?

transport choice	votes
bicycle	
bus	
car	
walking	

Key:
● = 2 votes

Explain your answer.

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Activity 1:
Four friends are comparing how many hoops they have scored in a month.

- Who has scored the most?
- Who has scored the least?
- How many fewer hoops has Yasmin scored than Ruth?

name	hoops scored = five hoops
Jamal	
Ruth	
Yasmin	
Ahmed	

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Activity 2:
Complete the pictogram, based on the following:

- Group A collected half as many oranges as Group B.
- Group C collected twice as many oranges as Group E.
- Group D collected 48 oranges.

How many oranges did each group collect?

group	oranges collected = eight oranges
A	
B	
C	
D	
E	

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Activity 3:
Class 4 have been counting the vehicles that pass the school. Use their data to create a pictogram.

vehicle	number of vehicles
car	24
bicycle	10
motorcycle	16
bus	14
coach	6
other	12

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Activity 3:
Template:

vehicle	
car	
bicycle	
motorcycle	
bus	
coach	
other	

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Activity 4:
Miss Smith, Mr Patel and Mrs Yousef are tallying up the cakes sold at a recent bake sale.
Miss Smith says, "Table C sold three times as many cakes as Table A."
Mr Patel says, "Table E sold half as many cakes as Table C. Table D sold 10 less than Table B."
Mrs Yousef says, "Table F sold three times as many cakes as Table A."
Complete the table.

table	cakes sold = ten cakes
A	
B	
C	
D	
E	
F	

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Activity 5:

What's the same and what's different about the pictograms below?

transport	1 person = ten people
car	1 person icon
bicycle	2 person icons
motorcycle	1 person icon
bus	2 person icons
walking	2 person icons
train	2 person icons

transport	1 person = five people
car	2 person icons
bicycle	4 person icons
motorcycle	1 person icon
bus	2 person icons
walking	4 person icons
train	4 person icons

Which do you prefer?
Explain your answer.

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Evaluation:



If your image represents an even number, you can't represent odd numbers in a pictogram.

Do you agree with Astrobee?
Explain your answer.