

Challenge Cards – Interpret pictograms (2, 5, 10)

Problem solving and reasoning cards:

Rob completed a survey to see how many times equipment was used in the park.

Swing	▲ ▲ ▲
Roundabout	▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲
Slide	▲ ▲ ▲ ▲
Climbing Frame	▲ ▲ ▲ ▲ ▲ ▲ ▲

KEY: ▲ = 10

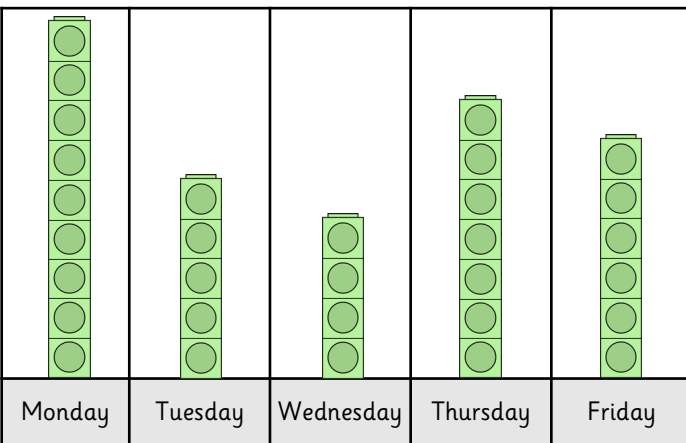


If I add the number of swings and slides together it will be equal to the climbing frame.

Is Rob correct?

Explain how you know.

Below shows the number of buses running each day.



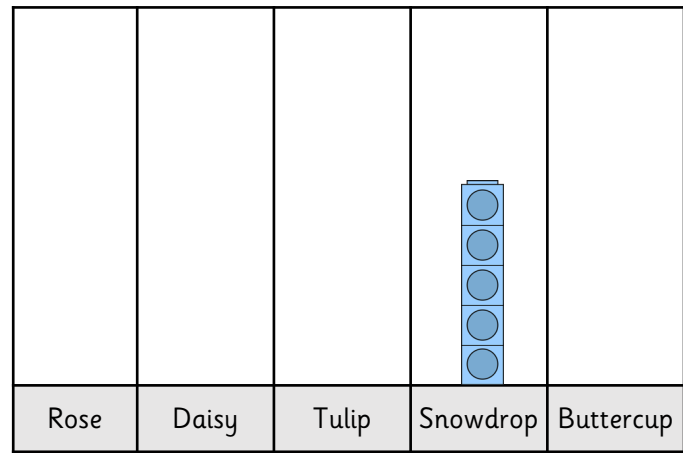
KEY: = 5

There are exactly the same number of buses running on a Monday as there are if you add Tuesday and Wednesday together.

True or false? Explain your answer.

Use the clues to complete the pictogram.

- There are 35 buttercups.
- There are 15 **fewer** tulips than daisies.
- There are 25 **more** daisies than roses.
- There are 20 roses.



KEY: = 5

Tam completed a survey to see how many trees there were in the local park.

Birch	▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲
Ash	▲ ▲ ▲ ▲ ▲ ▲ ▲
Oak	▲ ▲
Elm	▲ ▲ ▲

KEY: ▲ = 10

To find the total number of trees, I need to add all the images up. There are 20 trees in total.



Is Tam correct?

Explain how you know.

If not, what should the answer be?

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Swing	▲ ▲ ▲
Roundabout	▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲
Slide	▲ ▲ ▲ ▲
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KEY: ▲ = 10



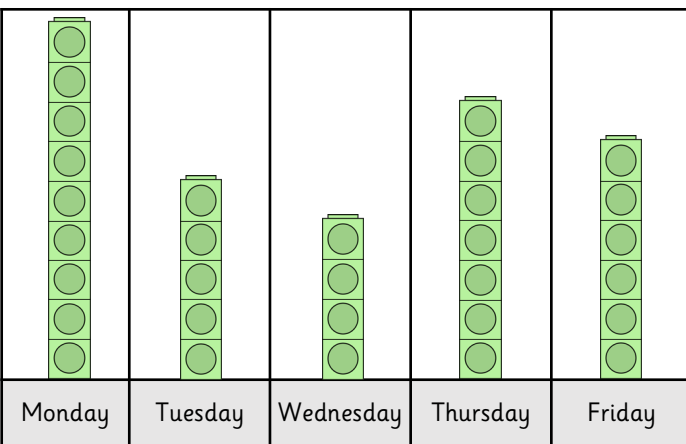
If I add the number of swings and slides together it will be equal to the climbing frame.

Is Rob correct?

Explain how you know.

Yes. Swings = 30, the slides = 40.
 $30 + 40 = 70$ which is what the climbing frame is worth.

Below shows the number of buses running each day.



KEY: □ = 5

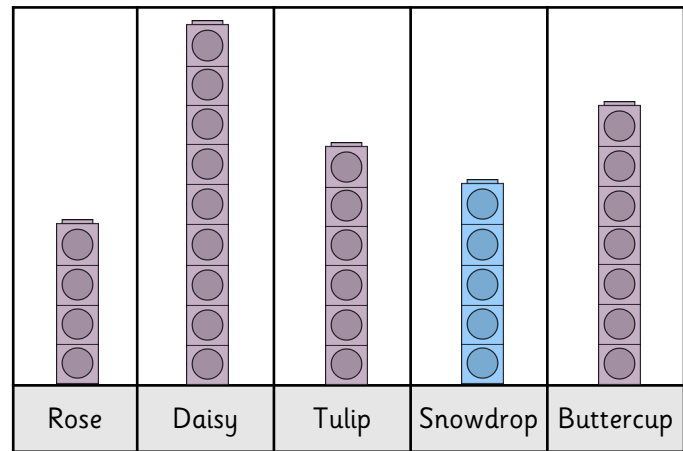
There are exactly the same number of buses running on a Monday as there are if you add Tuesday and Wednesday together.

True or false? Explain your answer.

True. Tuesday (25 buses), Wednesday (20 buses) = 45. 45 buses on Monday.

Use the clues to complete the pictogram.

- There are 35 buttercups.
- There are 15 **fewer** tulips than daisies.
- There are 25 **more** daisies than roses.
- There are 20 roses.



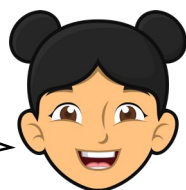
KEY: □ = 5

Tam completed a survey to see how many trees there were in the local park.

Birch	▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲
Ash	▲ ▲ ▲ ▲ ▲ ▲ ▲ ▲
Oak	▲ ▲
Elm	▲ ▲ ▲

KEY: ▲ = 10

To find the total number of trees, I need to add all the images up.
 There are 20 trees in total.



Is Tam correct? Explain how you know.

If not, what should the answer be?

No. Tam did not use the key when adding them together. The answer would be 200 (not 20).