

Luna's Space Adventure

Grade 3 · Circle graphs · MA.3.DP.1.2

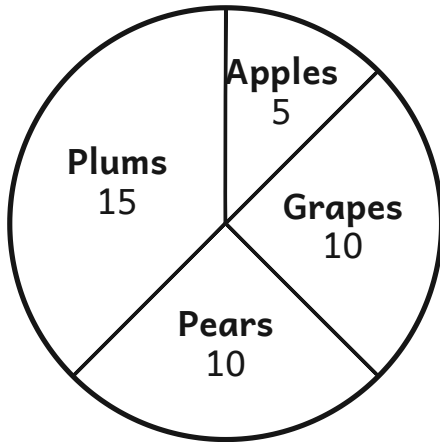
Name _____

Date _____



Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Read the circle graph 40 children chose a favorite fruit. Each slice shows how many.



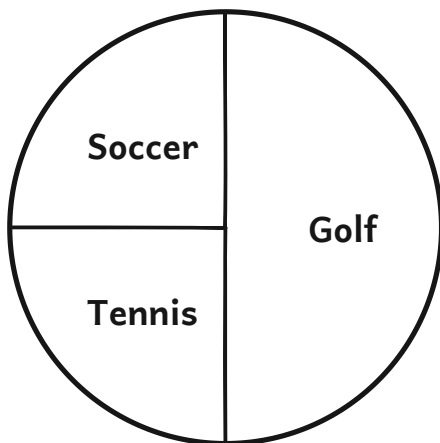
How many children answered? _____

Which answer was chosen most? _____

How many more chose Plums than Apples? _____

How many chose Apples or Grapes? _____

Halves and fourths 28 children chose a favorite sport. Use the size of each slice.



What fraction chose Golf? _____

How many chose Golf? _____

How many chose Tennis? _____



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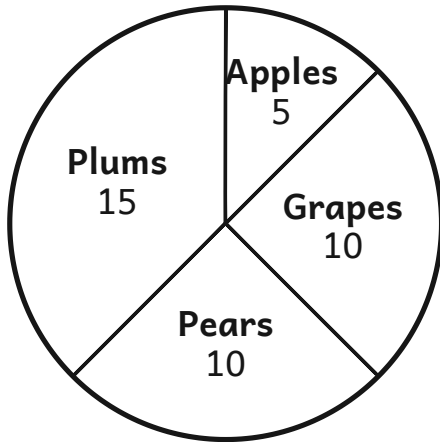
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ANSWER KEY



Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Read the circle graph 40 children chose a favorite fruit. Each slice shows how many.



How many children answered?

40

Which answer was chosen most?

Plums

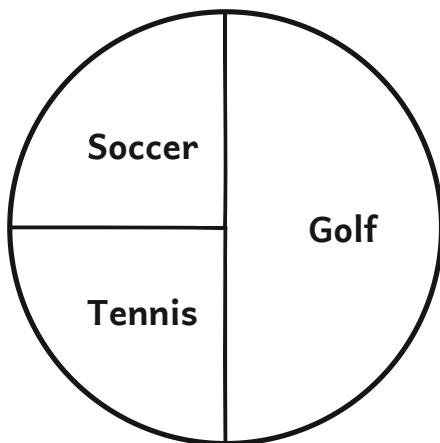
How many more chose Plums than Apples?

10

How many chose Apples or Grapes?

15

Halves and fourths 28 children chose a favorite sport. Use the size of each slice.



What fraction chose Golf?

$\frac{1}{2}$

How many chose Golf?

14

How many chose Tennis?

7



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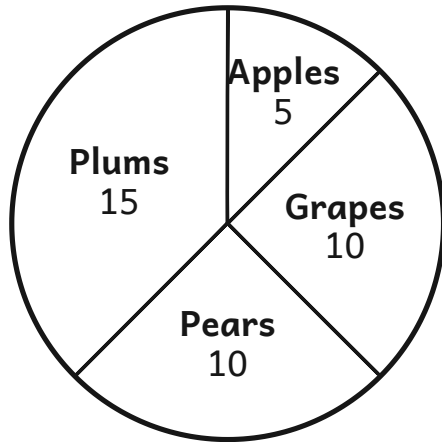
GUIDE

1 What this sheet practises

Reading circle graphs: counts in each slice, how many in all, how many more, and slices that are a half or a fourth of the whole.

2 A problem from the sheet, worked out

Read the circle graph 40 children chose a favorite fruit. Each slice shows how many.



How many children answered?

40

Which answer was chosen most?

Plums

How many more chose Plums than Apples?

10

How many chose Apples or Grapes?

15

How: Each slice is one answer; bigger slices were chosen more. Add slices for how many in all, subtract for how many more. A half-circle slice is half of everyone.

3 Words to know

circle graph a circle cut into slices, one for each answer

slice the part of the circle for one answer

half one of two equal parts

fourth one of four equal parts

4 Watch for

- Adding when the question asks how many more.
- Guessing from slice size when the count is written in it.
- Thinking a fourth of 20 is 4 instead of 5.

5 Where it fits

BEFORE

2.MD.D.10

Draw picture graphs and bar graphs with up to four categories.

THIS SHEET

MA.3.DP.1.2

Read tables, scaled graphs, circle graphs and line plots to solve one- and two-step problems.

NEXT

3.NF.A.1

Understand a unit fraction as one of the equal parts of a whole.

6 Helping at home

Ask the family to pick a favorite (snack, color). Draw a circle and split it to show the answers.

