REVIEW: Circle Graphs

Name _____

Key Concept and Vocabulary

20%
40%
30%
10%

Circle graphs
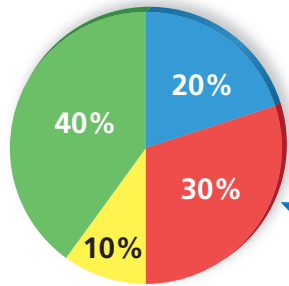
Percents add up to 100%.
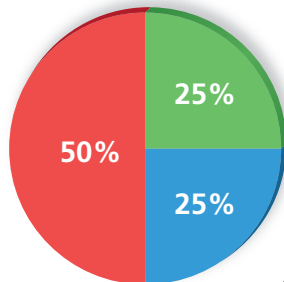
Visual Model

72°
144°
108°
36°
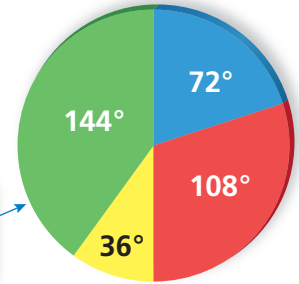
Degrees add up to 360°.

Skill Example

1. Data: 15, 15, 30

Angles:

$\frac{15}{60} = 25\%$ 25% of 360° is 90°.
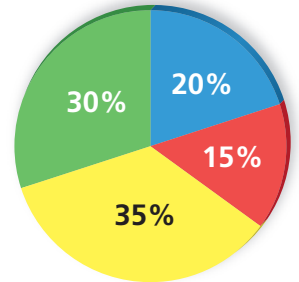
$\frac{30}{60} = 50\%$ 50% of 360° is 180°.

25%
50%
25%

Application Example

2. 200 people were asked to name their favorite color. How many said blue?
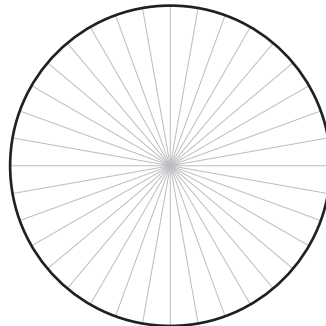
20% of 200 = 40

⋮ 40 people said "blue."

20%
30%
15%
35%

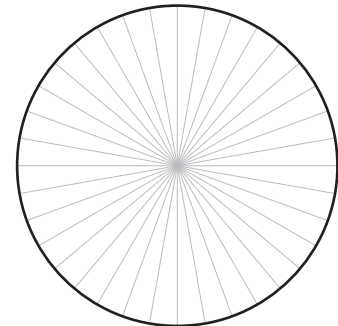# PRACTICE MAKES *PURR*-FECT®

Check your answers at BigIdeasMath.com.

Draw a circle graph for the data. Label each part of the graph.

3. Favorite Pet: dog 9, cat 5, fish 3, bird 1

4. Favorite Day: Friday 9, Saturday 12, Sunday 15

BUDGET A family is making a monthly budget. The total take-home pay for a month is $2400.

5. How much is budgeted for food? _____

6. How much is budgeted for miscellaneous? _____

7. How much is budgeted for rent? _____

8. How much is budgeted for clothes? _____

9. How much is budgeted for savings? _____

Rent 25%
Misc 21%
Clothes 15%
Food 33%
Savings 6%