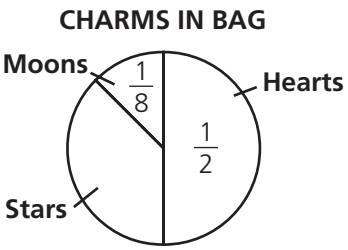
Contents

A **circle graph** shows the parts of a whole. Each section represents a part of the entire amount.

A bag contains three kinds of charms. What fraction of the charms are stars?



Add the given fractions:

$\frac{1}{2} + \frac{1}{8} = \frac{4}{8} + \frac{1}{8} = \frac{5}{8}$

Then subtract from 1:

$1 - \frac{5}{8} = \frac{8}{8} - \frac{5}{8} = \frac{3}{8}$

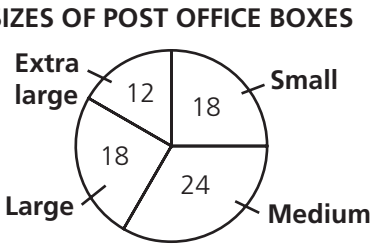
So $\frac{3}{8}$ of the charms are stars.

A circle graph may be labeled using whole numbers or fractions.

If the sections of a circle graph are labeled with fractions, they should add to 1.

Read each problem. Circle the letter of the best answer.

Use this circle graph to answer questions 1–4.



1 How many more medium post office boxes are there than small post office boxes?

A 6

B 8

C 12

D 18

The circle graph shows 24 medium and 18 small post office boxes. Subtract to find the difference: $24 - 18 = 6$. The correct answer is A.

2 How many total post office boxes are there?

A 48 **C** 72

B 64 **D** 80

3 What fraction of the post offices boxes are extra large?

A $\frac{1}{12}$ **C** $\frac{1}{4}$

B $\frac{1}{6}$ **D** $\frac{1}{3}$

4 Each large post office box costs $200 a year to rent. How much money does the post office make on the rental of all large post office boxes each year?

A $1,200

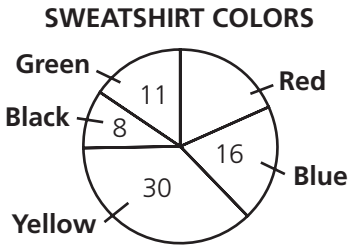
B $2,400

C $3,600

D $4,800

Read each problem. Write your answers.

5 A sporting goods store has 80 sweatshirts on sale. The colors of the sweatshirts are shown in the circle graph at the right.



A How many of these sweatshirts are red?

Answer: _____

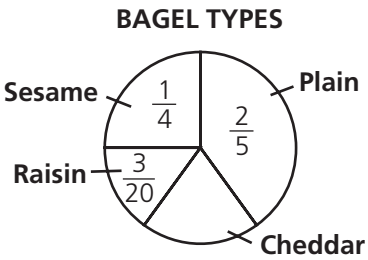
B Explain how you found your answer.

_____

_____

_____

6 Marla bought some bagels for a party. The types of bagels are shown in the circle graph at the right.



A What fraction of the bagels are cheddar?

Show your work.

Answer: _____

B Explain how you found your answer.

_____

_____

_____

_____