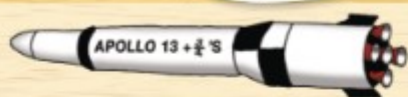




My goal is to find  $\frac{1}{2}$ ,  $\frac{1}{4}$  and  $\frac{1}{8}$  of a number.



**A Warm-up. Listen to your teacher.**  
Fraction Action



**B Sharing equally.**

- Sarah has 10 bunny rabbits. She needs to share them equally between 2 hutches.  
How many will go in each hutch?

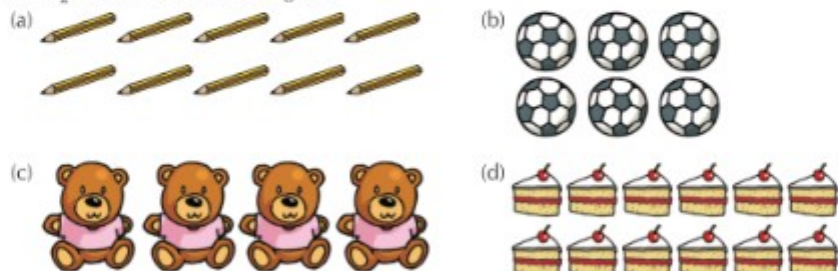


- Gary is making up his party bags. He has 12 gel pens left and only 4 party bags.  
How many pens will he put in each bag?

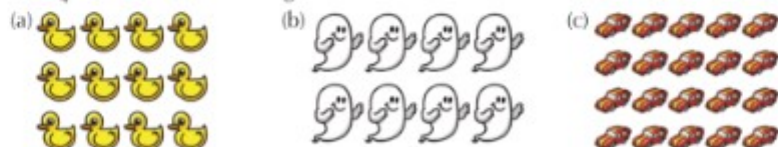


**C Dividing sets.**

- Circle  $\frac{1}{2}$  of each of the following sets.



- Circle  $\frac{1}{4}$  of each of the following sets.



Objectives 120 Develop an understanding of the relationship between fractions and division.

Strand Number  
Strand Unit Fractions



**A Fractions.**

- $\frac{1}{2}$  of 10 = \_\_\_
- $\frac{1}{2}$  of 20 = \_\_\_
- $\frac{1}{4}$  of 16 = \_\_\_
- $\frac{1}{4}$  of 32 = \_\_\_
- $\frac{1}{4}$  of 24 = \_\_\_
- $\frac{1}{8}$  of 16 = \_\_\_
- $\frac{1}{2}$  of 14 = \_\_\_
- $\frac{1}{4}$  of 24 = \_\_\_
- $\frac{1}{4}$  of 12 = \_\_\_
- $\frac{1}{8}$  of 64 = \_\_\_

**B Fractions.**

- $\frac{1}{2}$  of 14 = \_\_\_
- $\frac{1}{4}$  of 28 = \_\_\_
- $\frac{1}{2}$  of 8 = \_\_\_
- $\frac{1}{8}$  of 32 = \_\_\_
- $\frac{1}{2}$  of 18 = \_\_\_
- $\frac{1}{2}$  of 6 = \_\_\_
- $\frac{1}{8}$  of 48 = \_\_\_
- $\frac{1}{2}$  of 30 = \_\_\_
- $\frac{1}{8}$  of 40 = \_\_\_
- $\frac{1}{2}$  of 46 = \_\_\_

**C Word puzzles.**

- Sarah-Jane made 20 buns. Her family ate  $\frac{1}{4}$  of them. How many did they eat?
- Laura and her brother collected 12 daffodils from the garden. They gave  $\frac{1}{2}$  to their granny and the rest to their mum. How many daffodils did their mum get?
- At play time, only  $\frac{1}{4}$  of Jake's class can play catch at a time. How many children get to play if there are 32 in his class?
- $\frac{1}{2}$  of a number is 8. What is the number?
- Jack had 16 cards. He lost  $\frac{1}{4}$  of them. How many had he left?
- Jennifer had 8 sweets. She gave  $\frac{1}{2}$  of them to her friend. How many did she give away?

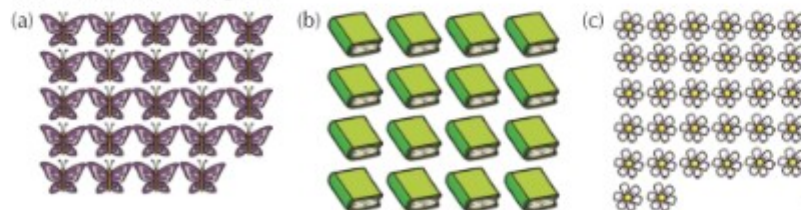


**D Answer the questions.**

- (a) Mr Kelly split up his class of 24 into groups.  $\frac{1}{8}$  of the class was in Emily's group.  
How many children were in Emily's group?  
(b) Circle  $\frac{1}{8}$  of the class.



- Circle  $\frac{1}{8}$  of the following sets.



Objectives 319 Calculate a fraction of a set using concrete materials.

Strand Number  
Strand Unit Fractions

