T1

This problem gives you the chance to:

· solve fraction problems in a practical context

Cindy has 3 cats: Sammy, Tommy and Suzi.



1. Cindy feeds them on Cat Crunchies.

Each day Sammy eats  $\frac{1}{2}$  of the box, Tommy eats  $\frac{1}{8}$  of the box and Suzi eats  $\frac{1}{4}$  of the box.

What fraction of a whole box do the cats eat, in all, each day?

7/8

Show how you figured this out.

$$\frac{1}{8} + \frac{1}{8} + \frac{1}{4}$$
 $\frac{4}{8} + \frac{1}{8} = \frac{3}{8}$ 

2. Tommy and Suzi spend much of each day sleeping.

Tommy sleeps for  $\frac{3}{5}$  of the day and Suzi sleeps for  $\frac{7}{10}$  of the day.

Which of the two cats sleeps for longer?

Suzi

How much longer does it sleep each day?

1/10

$$\frac{6}{10} = \frac{3}{5} = \frac{7}{10}$$

$$\frac{6}{10} \quad \frac{7}{10}$$

Sammy always drinks  $\frac{1}{3}$  of the carton, Tommy always drinks  $\frac{5}{12}$  of the carton, and Suzi always drinks  $\frac{1}{6}$  of the carton. 1/12

What fraction of the carton of cat milk is left over? Show how you figured it out.

1	6	<u>5</u> 12	5 2 4	13	12
<del>1</del>	2		11		!

4. Cindy's cats love to jump in and out of their cat door.

Yesterday the cat door was used 100 times by her cats.



Sammy used it for  $\frac{1}{4}$  of the times and Tommy used it for  $\frac{3}{10}$  of the times.

How many times did Suzi use the cat door?

45 times

Explain how you figured it out.

and to . Since added 4 this, I denomimade difficult when I added and equals 550, so Figot 45 when

This problem gives you the chance to:

· solve fraction problems in a practical context

**T2** 

Cindy has 3 cats: Sammy, Tommy and Suzi.



1. Cindy feeds them on Cat Crunchies.

Each day Sammy eats  $\frac{1}{2}$  of the box, Tommy eats  $\frac{1}{8}$  of the box and Suzi eats  $\frac{1}{4}$  of the box.

What fraction of a whole box do the cats eat, in all, each day? Show how you figured this out.

<u>3</u> 14

2. Tommy and Suzi spend much of each day sleeping.

Tommy sleeps for  $\frac{3}{5}$  of the day and Suzi sleeps for  $\frac{7}{10}$  of the day.

Which of the two cats sleeps for longer?

502/ 10

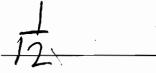
How much longer does it sleep each day?

$$\frac{3}{5} = \frac{12}{20} = \frac{14}{20}$$

$$\frac{14}{20} - \frac{12}{20} = \frac{2}{20} = \frac{1}{10}$$
Cindy's Cats Test 5

Sammy always drinks  $\frac{1}{3}$  of the carton, Tommy always drinks  $\frac{5}{12}$  of the carton, and Suzi always drinks  $\frac{1}{6}$  of the carton.

What fraction of the carton of cat milk is left over? Show how you figured it out.



- 4. Cindy's cats love to jump in and out of their cat door.

Yesterday the cat door was used 100 times by her cats.



Sammy used it for  $\frac{1}{4}$  of the times and Tommy used it for  $\frac{3}{10}$  of the times.

How many times did Suzi use the cat door?



Explain how you figured it out.

$$\frac{1-25+3-30+25-55}{4} = 30+25-55$$



This problem gives you the chance to:

· solve fraction problems in a practical context

**T3** 

Cindy has 3 cats: Sammy, Tommy and Suzi.



1. Cindy feeds them on Cat Crunchies.

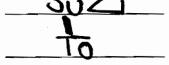
Each day Sammy eats  $\frac{1}{2}$  of the box, Tommy eats  $\frac{1}{8}$  of the box and Suzi eats  $\frac{1}{4}$  of the box.

What fraction of a whole box do the cats eat, in all, each day? Show how you figured this out. 4

2. Tommy and Suzi spend much of each day sleeping.

Tommy sleeps for  $\frac{3}{5}$  of the day and Suzi sleeps for  $\frac{7}{10}$  of the day.

Which of the two cats sleeps for longer?



How much longer does it sleep each day?

Sammy always drinks  $\frac{1}{3}$  of the carton, Tommy always drinks  $\frac{5}{12}$  of the carton, and

Suzi always drinks  $\frac{1}{6}$  of the carton.

<u> 1</u> 12

What fraction of the carton of cat milk is left over?

Show how you figured it out.

4. Cindy's cats love to jump in and out of their cat door.



Yesterday the cat door was used 100 times by her cats.

Sammy used it for  $\frac{1}{4}$  of the times and Tommy used it for  $\frac{3}{10}$  of the times.

How many times did Suzi use the cat door?



Explain how you figured it out.

I added the fractions after

both add up to.

This problem gives you the chance to:

· solve fraction problems in a practical context

**T4** 

Cindy has 3 cats: Sammy, Tommy and Suzi.



1. Cindy feeds them on Cat Crunchies.

Each day Sammy eats  $\frac{1}{2}$  of the box, Tommy eats  $\frac{1}{8}$  of the box and Suzi eats  $\frac{1}{4}$  of the box.

What fraction of a whole box do the cats eat, in all, each day? Show how you figured this out.

> 1/2, 1/6, 1/4=4/8, 1/8, 2/8 +1/8 -1/8

2. Tommy and Suzi spend much of each day sleeping.

Tommy sleeps for  $\frac{3}{5}$  of the day and Suzi sleeps for  $\frac{7}{10}$  of the day. Which of the two cats sleeps for longer?

How much longer does it sleep each day?

Show how you figured this out.

out figured this out. 3/5 and 3/6 and 3/6

Page 4

Sammy always drinks  $\frac{1}{3}$  of the carton, Tommy always drinks  $\frac{5}{12}$  of the carton, and Suzi always drinks  $\frac{1}{6}$  of the carton.

What fraction of the carton of cat milk is left over?

11/12 \*

Show how you figured it out.

 $\frac{1}{3}$ ,  $\frac{5}{12}$  and  $\frac{7}{6} = \frac{4}{12}$ ,  $\frac{5}{12}$  and  $\frac{2}{12}$ 

7/12

4. Cindy's cats love to jump in and out of their cat door.



Yesterday the cat door was used 100 times by her cats.

Sammy used it for  $\frac{1}{4}$  of the times and Tommy used it for  $\frac{3}{10}$  of the times.

How many times did Suzi use the cat door?

45 times

Explain how you figured it out.

I changed Sammy and Tommy's Fractions into percents added them

together, then I subtracted from

that From 100 and that was my answer.

This problem gives you the chance to:

· solve fraction problems in a practical context

**T5** 

Cindy has 3 cats: Sammy, Tommy and Suzi.



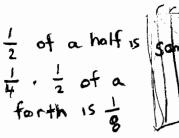
1. Cindy feeds them on Cat Crunchies.

Each day Sammy eats  $\frac{1}{2}$  of the box, Tommy eats  $\frac{1}{8}$  of the box and Suzi eats  $\frac{1}{4}$  of the box.

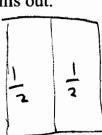
What fraction of a whole box do the cats eat, in all, each day?

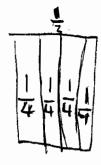


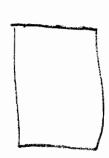
Show how you figured this out.











2. Tommy and Suzi spend much of each day sleeping.

Tommy sleeps for  $\frac{3}{5}$  of the day and Suzi sleeps for  $\frac{7}{10}$  of the day.

Which of the two cats sleeps for longer?

Suzi

How much longer does it sleep each day?

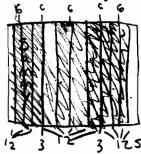
$$\frac{3}{5} = .6$$
  $\frac{7}{10} = .7$   $\frac{7}{1}$ 

Sammy always drinks  $\frac{1}{3}$  of the carton, Tommy always drinks  $\frac{5}{12}$  of the carton, and Suzi always drinks  $\frac{1}{6}$  of the carton.



What fraction of the carton of cat milk is left over?

Show how you figured it out.



4. Cindy's cats love to jump in and out of their cat door.

Yesterday the cat door was used 100 times by her cats.



Sammy used it for  $\frac{1}{4}$  of the times and Tommy used it for  $\frac{3}{10}$  of the times.

How many times did Suzi use the cat door?

. 27 of the times

Explain how you figured it out.



$$\frac{3}{10} = .3$$



This problem gives you the chance to:

solve fraction problems in a practical context

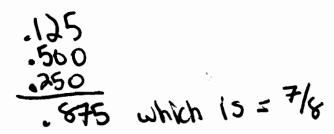
Cindy has 3 cats: Sammy, Tommy and Suzi.



1. Cindy feeds them on Cat Crunchies.

Each day Sammy eats  $\frac{4}{28}$  of the box, Tommy eats  $\frac{1}{8}$  of the box and Suzi eats  $\frac{2}{8}$  of the box.

What fraction of a whole box do the cats eat, in all, each day? Show how you figured this out.



2. Tommy and Suzi spend much of each day sleeping.

Tommy sleeps for  $\frac{7}{10}$  of the day and Suzi sleeps for  $\frac{7}{10}$  of the day. Which of the two cats sleeps for longer?

How much longer does it sleep each day? Show how you figured this out.

3/5 is 60% with 7/10 is 70%

Sammy always drinks  $\frac{4}{12}$  of the carton, Tommy always drinks  $\frac{5}{12}$  of the carton, and

Suzi always drinks of the carton.

What fraction of the carton of cat milk is left over?

417

Show how you figured it out.

I figured out what the fractions equal.

"Its was the total of the milk carton out

of all the Kitters, so 113

is left over of the cutton.

4. Cindy's cats love to jump in and out of their cat door.

Yesterday the cat door was used 100 times by her cats.

Sammy used it for  $\frac{1}{4}$  of the times and Tommy used it for  $\frac{3}{10}$  of the times.

How many times did Suzi use the cat door?

Explain how you figured it out.

14 of the times out of 100 is 25 times Sunmy used. The of the times is 30 times Tommy used. So add that together it equals 55 times for both, subtract is the nort step 100-55 = 45, which is how many times Suzi went out the cost door.

**S2** 

This problem gives you the chance to:

· solve fraction problems in a practical context

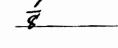
Cindy has 3 cats: Sammy, Tommy and Suzi.



1. Cindy feeds them on Cat Crunchies.

Each day Sammy eats  $\frac{1}{2}$  of the box, Tommy eats  $\frac{1}{8}$  of the box and Suzi eats  $\frac{1}{4}$  of the box.

What fraction of a whole box do the cats eat, in all, each day? Show how you figured this out.



$$\frac{1}{2} = \frac{4}{6} + \frac{1}{8} + \frac{1}{4} = \frac{2}{8}$$

2. Tommy and Suzi spend much of each day sleeping.

Tommy sleeps for  $\frac{3}{5}$  of the day and Suzi sleeps for  $\frac{7}{10}$  of the day.

Which of the two cats sleeps for longer?

How much longer does it sleep each day?

$$\frac{3}{5} = \frac{6}{10} + \frac{7}{10} = 1\frac{1}{10}$$

Sammy always drinks  $\frac{1}{3}$  of the carton, Tommy always drinks  $\frac{5}{12}$  of the carton, and Suzi always drinks  $\frac{1}{6}$  of the carton.

What fraction of the carton of cat milk is left over? Show how you figured it out.



4. Cindy's cats love to jump in and out of their cat door.



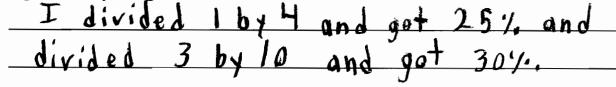
Yesterday the cat door was used 100 times by her cats.

Sammy used it for  $\frac{1}{4}$  of the times and Tommy used it for  $\frac{3}{10}$  of the times.

How many times did Suzi use the cat door?

45%

Explain how you figured it out.



This problem gives you the chance to:

· solve fraction problems in a practical context

**S**3

Cindy has 3 cats: Sammy, Tommy and Suzi.



1. Cindy feeds them on Cat Crunchies.

Each day Sammy eats  $\frac{1}{2}$  of the box, Tommy eats  $\frac{1}{8}$  of the box and Suzi eats  $\frac{1}{4}$  of the box.

What fraction of a whole box do the cats eat, in all, each day? Show how you figured this out.

2. Tommy and Suzi spend much of each day sleeping.

Tommy sleeps for  $\frac{3}{5}$  of the day and Suzi sleeps for  $\frac{7}{10}$  of the day.

Which of the two cats sleeps for longer?

How much longer does it sleep each day?

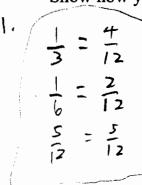
 $\frac{3}{5} \times 2^{2} = \frac{6}{10} \left\langle \frac{7}{10} \right\rangle$ 

Sammy always drinks  $\frac{1}{3}$  of the carton, Tommy always drinks  $\frac{5}{12}$  of the carton, and Suzi always drinks  $\frac{1}{6}$  of the carton.

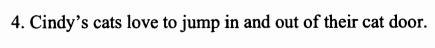
What fraction of the carton of cat milk is left over?

12

Show how you figured it out.



$$\frac{2.4}{12} + \frac{2}{12} + \frac{5}{12} = \boxed{\frac{11}{12}}$$





Yesterday the cat door was used 100 times by her cats.

Sammy used it for  $\frac{1}{4}$  of the times and Tommy used it for  $\frac{3}{10}$  of the times.

How many times did Suzi use the cat door? Explain how you figured it out. 45

Sammy jumped 25 times. Tommy jumpes 30 times. 25+30=55 100-55=45

This problem gives you the chance to:

solve fraction problems in a practical context

Cindy has 3 cats: Sammy, Tommy and Suzi.



1. Cindy feeds them on Cat Crunchies.

Each day Sammy eats  $\frac{1}{2}$  of the box, Tommy eats  $\frac{1}{8}$  of the box and Suzi eats  $\frac{1}{4}$  of the box.

What fraction of a whole box do the cats eat, in all, each day?

Show how you figured this out.

I evened out the denominators:

$$\frac{1}{2} = \frac{4}{8} \qquad \frac{1}{8} = \frac{1}{8} \qquad \frac{1}{4}$$

1 = H added together is:

2. Tommy and Suzi spend much of each day sleeping.

Tommy sleeps for  $\frac{3}{5\sqrt{6}}$  for the day and Suzi sleeps for  $\frac{7}{10}$  of the day.

Which of the two cats sleeps for longer?

How much longer does it sleep each day?

Show how you figured this out.

I made the denominators equal:

$$\frac{3}{5} = \frac{6}{10} < \frac{7}{10}$$

Sammy always drinks  $\frac{1}{3}$  of the carton, Tommy always drinks  $\frac{5}{12}$  of the carton, and Suzi always drinks  $\frac{1}{6}$  of the carton.

What fraction of the carton of cat milk is left over? Show how you figured it out.

Cindy's cats love to jump in and out of their cat door.
 Yesterday the cat door was used 100 times by her cats.



3 12 Sammy

Sammy used it for  $\frac{1}{4}$  of the times and Tommy used it for  $\frac{3}{10}$  of the times.

How many times did Suzi use the cat door?

18

1 10

Explain how you figured it out.

I made y and 30 have equal denomonators (40).

Then, I added them up (12 + 10 = 22). I subtracted

122 out of 40 and get 18. I put the 18 over the 40 to create 40.

This problem gives you the chance to:

· solve fraction problems in a practical context



Cindy has 3 cats: Sammy, Tommy and Suzi.



1. Cindy feeds them on Cat Crunchies.

Each day Sammy eats  $\frac{1}{2}$  of the box, Tommy eats  $\frac{1}{8}$  of the box and Suzi eats  $\frac{1}{4}$  of the box.

What fraction of a whole box do the cats eat, in all, each day?

1/8

Show how you figured this out.

2. Tommy and Suzi spend much of each day sleeping.

Tommy sleeps for  $\frac{3}{5}$  of the day and Suzi sleeps for  $\frac{7}{10}$  of the day.

Which of the two cats sleeps for longer?

Suzi

How much longer does it sleep each day?

Show how you figured this out.

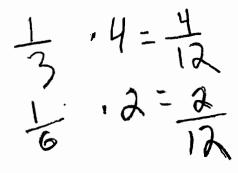
1/10

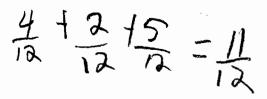
$$\frac{3}{5} \cdot 2 = \frac{6}{10} \cdot \frac{1944}{10} \cdot \frac{7}{10}$$

Sammy always drinks  $\frac{1}{3}$  of the carton, Tommy always drinks  $\frac{5}{12}$  of the carton, and Suzi always drinks  $\frac{1}{6}$  of the carton.

What fraction of the carton of cat milk is left over? Show how you figured it out.







Cindy's cats love to jump in and out of their cat door.
 Yesterday the cat door was used 100 times by her cats.



Sammy used it for  $\frac{1}{4}$  of the times and Tommy used it for  $\frac{3}{10}$  of the times.

How many times did Suzi use the cat door?

45times

Explain how you figured it out.

This problem gives you the chance to:

· solve fraction problems in a practical context

**S6** 

Cindy has 3 cats: Sammy, Tommy and Suzi.



1. Cindy feeds them on Cat Crunchies.

Each day Sammy eats  $\frac{1}{2}$  of the box, Tommy eats  $\frac{1}{8}$  of the box and Suzi eats  $\frac{1}{4}$  of the box.

What fraction of a whole box do the cats eat, in all, each day? Show how you figured this out.

$$\frac{1}{2} = \frac{4}{8} \quad \frac{1}{8} = \frac{1}{8} \quad \frac{1}{4} = \frac{2}{8}$$

$$\frac{4}{8} + \frac{1}{8} + \frac{2}{8} = \frac{7}{8}$$

2. Tommy and Suzi spend much of each day sleeping.

Tommy sleeps for  $\frac{3}{5}$  of the day and Suzi sleeps for  $\frac{7}{10}$  of the day.

Which of the two cats sleeps for longer?

buzi

How much longer does it sleep each day?

Sammy always drinks  $\frac{1}{3}$  of the carton, Tommy always drinks  $\frac{5}{12}$  of the carton, and Suzi always drinks  $\frac{1}{6}$  of the carton.

What fraction of the carton of cat milk is left over? Show how you figured it out.



4. Cindy's cats love to jump in and out of their cat door.

Yesterday the cat door was used 100 times by her cats.



Sammy used it for  $\frac{1}{4}$  of the times and Tommy used it for  $\frac{3}{10}$  of the times.

How many times did Suzi use the cat door?

Explain how you figured it out.

Explain how you rigured it out.

I made to = too and to = too then I added them my and

**S7** 

This problem gives you the chance to:

• solve fraction problems in a practical context

Cindy has 3 cats: Sammy, Tommy and Suzi.



1. Cindy feeds them on Cat Crunchies.

Each day Sammy eats  $\frac{1}{2}$  of the box, Tommy eats  $\frac{1}{8}$  of the box and Suzi eats  $\frac{1}{4}$  of the box.

What fraction of a whole box do the cats eat, in all, each day? Show how you figured this out. 87.5

100 50

100

100

2. Tommy and Suzi spend much of each day sleeping.

Tommy sleeps for  $\frac{3}{5}$  of the day and Suzi sleeps for  $\frac{7}{10}$  of the day.

Which of the two cats sleeps for longer?

suzie

How much longer does it sleep each day?

10

Show how you figured this out.

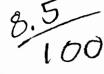
35 16 10 10

Sammy always drinks  $\frac{1}{3}$  of the carton, Tommy always drinks  $\frac{5}{12}$  of the carton, and

Suzi always drinks  $\frac{1}{6}$  of the carton.

What fraction of the carton of cat milk is left over?

Show how you figured it out.



100 100 100

4. Cindy's cats love to jump in and out of their cat door.

Yesterday the cat door was used 100 times by her cats.



Sammy used it for  $\frac{1}{4}$  of the times and Tommy used it for  $\frac{3}{10}$  of the times.

How many times did Suzi use the cat door?

Explain how you figured it out.

I found the two fractions added them up and minused it out of one hundred

5/25

This problem gives you the chance to:

· solve fraction problems in a practical context

**S8** 

Cindy has 3 cats: Sammy, Tommy and Suzi.



1. Cindy feeds them on Cat Crunchies.

Each day Sammy eats  $\frac{1}{2}$  of the box, Tommy eats  $\frac{1}{8}$  of the box and Suzi eats  $\frac{1}{4}$  of the box.

What fraction of a whole box do the cats eat, in all, each day?

The end of it.

Show how you figured this out.

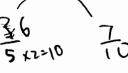
2. Tommy and Suzi spend much of each day sleeping.

Tommy sleeps for  $\frac{3}{5}$  of the day and Suzi sleeps for  $\frac{7}{10}$  of the day.

Which of the two cats sleeps for longer?

How much longer does it sleep each day?

By 10



$$\frac{6}{10}$$
  $\left(\frac{7}{10}\right) \rightarrow 502$ 

Sammy always drinks  $\frac{14}{3}$  of the carton, Tommy always drinks  $\frac{5}{12}$  of the carton, and

Suzi always drinks 
$$\frac{1}{6}$$
 of the carton.

What fraction of the carton of cat milk is left over?

12

Show how you figured it out.

4. Cindy's cats love to jump in and out of their cat door.

Yesterday the cat door was used 100 times by her cats.



Sammy used it for  $\frac{1.5}{4}$  of the times and Tommy used it for  $\frac{3.5}{10}$  of the times.

How many times did Suzi use the cat door?

she used it zo times,

Explain how you figured it out.

I turned summy time to both at their L.CM,

doing the bottom and top and whiled to and

to up (their time) and get 11/20, and

20-11 = 9 so 20 is Suzi.

This problem gives you the chance to:

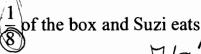
solve fraction problems in a practical context

Cindy has 3 cats: Sammy, Tommy and Suzi.

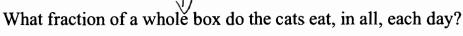


1. Cindy feeds them on Cat Crunchies.

Each day Sammy eats  $\frac{1}{2}$  of the box, Tommy eats of the box and Suzi eats



the box.



Show how you figured this out.



2. Tommy and Suzi spend much of each day sleeping.

Tommy sleeps for  $\frac{3}{5}$  of the day and Suzi sleeps for  $\frac{7}{10}$  of the day.

Which of the two cats sleeps for longer?

How much longer does it sleep each day?



Sammy always drinks  $\frac{1}{3}$  of the carton, Tommy always drinks  $\frac{5}{12}$  of the carton, and Suzi always drinks  $\frac{1}{6}$  of the carton.

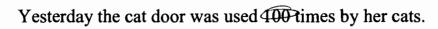
What fraction of the carton of cat milk is left over?

1/12

Show how you figured it out.

$$\frac{4}{12} + \frac{4}{212} + \frac{5}{12} = \frac{11}{12}$$

4. Cindy's cats love to jump in and out of their cat door.





Sammy used it for  $\frac{1}{4}$  of the times and Tommy used it for  $\frac{3}{10}$  of the times.

How many times did Suzi use the cat door?

45 times

Explain how you figured it out.

I change 14 into a similar fraction, the 100ths
and I Added how many times Sammy & Tommy used the
cot door and subtracted that from 100 & then I got
how many times Survive of the cot door.

$$\frac{25/100}{\frac{25}{55}} = \frac{30/100}{\frac{55}{45}}$$

This problem gives you the chance to:

solve fraction problems in a practical context

Cindy has 3 cats: Sammy, Tommy and Suzi.



1. Cindy feeds them on Cat Crunchies.

Each day Sammy eats  $\frac{1}{2}$  of the box, Tommy eats  $\frac{1}{8}$  of the box and Suzi eats  $\frac{1}{4}$  of the box.

What fraction of a whole box do the cats eat, in all, each day? Show how you figured this out.

$$\frac{1}{2} = \frac{4}{8} + \frac{2}{8} + \frac{1}{8} = \frac{7}{8}$$
2. Tommy and Suzi spend much of each day sleeping.

Tommy and Suzi spend much of each day sleeping.

Tommy sleeps for  $\frac{3}{5}$  of the day and Suzi sleeps for  $\frac{7}{10}$  of the day.

Which of the two cats sleeps for longer?

How much longer does it sleep each day?

Sozi sleeps to of the day.

Sozi sleeps to of the day.

Ony longer

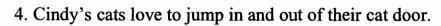
$$\frac{3}{5} = \frac{6}{10} = \frac{6}{10} \left( \frac{7}{10} - \frac{10}{10} \right)$$

Sammy always drinks  $\frac{1}{3}$  of the carton, Tommy always drinks  $\frac{5}{12}$  of the carton, and

Suzi always drinks  $\frac{1}{6}$  of the carton.

What fraction of the carton of cat milk is left over?

Show how you figured it out.



Yesterday the cat door was used 100 times by her cats.



Sammy used it for  $\frac{1}{4}$  of the times and Tommy used it for  $\frac{3}{10}$  of the times.

How many times did Suzi use the cat door?

Explain how you figured it out. made all the fractions equal. Then add them up. The I did 100 - 100 - 100

and got my, answer.

$$\frac{1}{4} = \frac{5}{20} \quad \frac{3}{10} = \frac{6}{20} \quad \frac{3}{10} = \frac{30}{10} = \frac{1}{10}$$

$$5 + 6 \quad 11$$