



















Halves and Quarters



















































Mintu cat and Mottu cat were friends. Once they stole a chapati from Malini's kitchen. I will take it — said Mintu. No, I will take it — said Mottu. While they were quarrelling, there came Tittu Monkey. Hi! What is the problem? why are you quarrelling? — he asked. "We don't know how to divide this chapati between us the cats said. OK! don't worry. I will divide the chapati equally for both of you — he said. Clever Tittu divided the chapati like this:



These are not equal, the left part is bigger — Mintu and Mottu said. Oh, no problem, I will make it equal — Tittu said. He then cut a part of the left piece and ate it.



Oh! Now the right part is bigger — the cats cried. I am sorry said Tittu. He cut a part from the bigger piece and ate it. When there was only a small piece remaining, he said — This is my share for the work. Tittu then quickly ate the last piece and climbed the tree.





















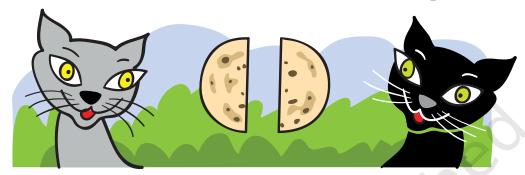
Half-Half

❖ If the cats ask you to divide the chapati equally, how will you divide it?





If you do not cheat like Tittu, the cats will have these parts.



Half of Half

If two more cats come for food, how will you divide one chapati equally for four cats?



Half of Many Pieces

Rani got a chocolate. She divided it equally and gave half to her friend Reena.

Circle the portion that Reena got.























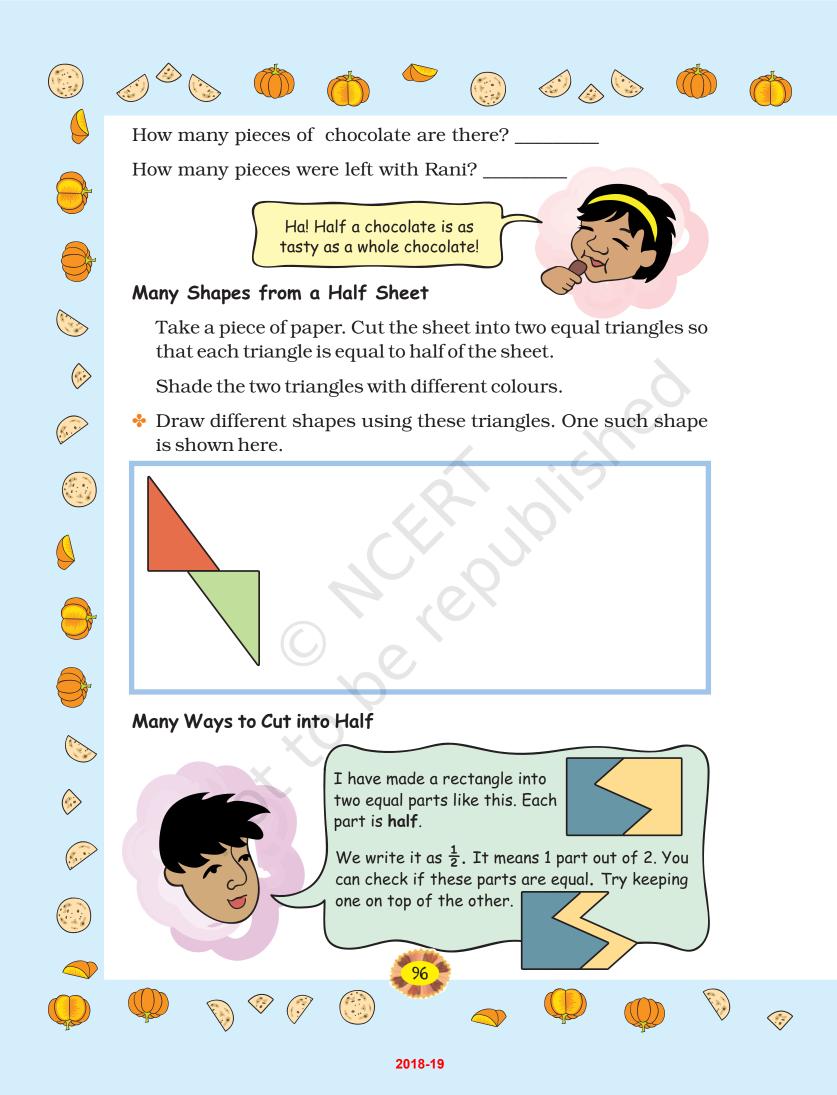
























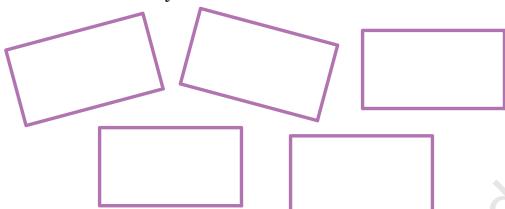






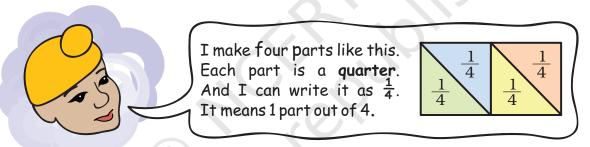
In how many different ways can you cut a **rectangle** into half?

Draw 5 different ways.

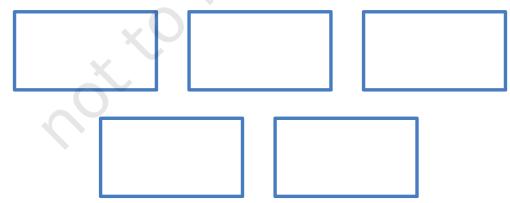


Can you check if they are equal?

Many Ways to Make Quarters



In how many different ways can you cut a rectangle into four equal parts? Draw 5 different ways.



Can you check if they are equal?









































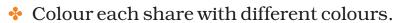


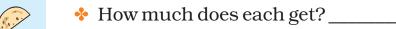
Cutting the Cake



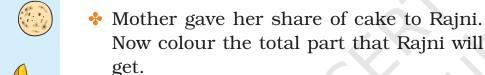
Rajni's father brought a cake. She divided the cake into 4 equal parts — for herself, her brother Raju, her father and her mother.

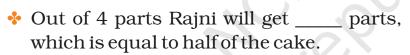






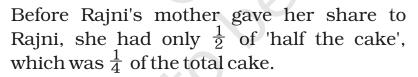


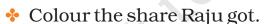




So she can write it as $\frac{1}{4}$ or $\frac{1}{2}$.



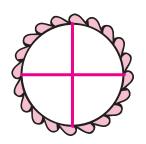






How much of the cake do Rajni and Raju together get? Colour their total share.

Altogether they get 3 parts out of 4, so we can write it as $\frac{3}{4}$.















































Greedy Kundu

Kundu is a greedy man. Whenever he goes to the market, he wants to get more and more but doesn't want to spend much money.

One day he wants to eat pumpkin halwa (sweet dish). He tries to buy a big pumpkin with only Rs10. He asks the first pumpkin seller the price of a big pumpkin.

First pumpkin-seller $-\frac{1}{4}$ of this pumpkin is for Rs 10.

This full pumpkin will cost Rs.

Kundu — Eh! For Rs 10, you should give me $\frac{1}{2}$ of this pumpkin.

First pumpkin-seller — Then you go to the next seller, he can give you $\frac{1}{2}$ of such a big pumpkin for Rs 10. I keep only good quality pumpkins.



Kundu walks to the next seller and looks for a pumpkin of the same size.

Kundu — How much of this pumpkin will I get for Rs 10?

Second pumpkin-seller—Half.

This full pumpkin will cost Rs













































































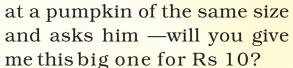
Kundu—Eh! Why not give me $\frac{3}{4}$?



Second pumpkin-seller — Run away! Go, get your pumpkin from that man. He sells such bad vegetables that he will even give you a full pumpkin of this size for Rs 10.

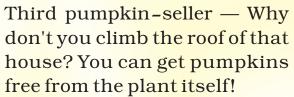


The greedy Kundu walks to the next pumpkin seller. He looks

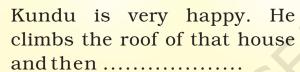








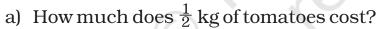


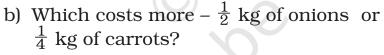


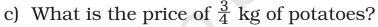




Using a Price List









d) Keerthi is going for shopping. She has only Rs 20 with her. Can she buy all the things in her shopping list?



e) Make two questions yourself from the price list.







2.

1.



















Item

Tomato

Potato

Onion

Carrot

Pumpkin





Price in Rs

8

12

10

16

(per kg)



















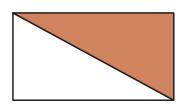


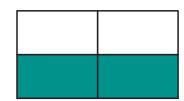






What part of the whole is coloured? Write below each shape.



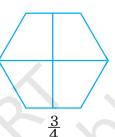


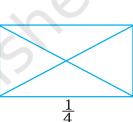


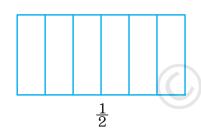
Colour that part of the shape which is written below.













Cut in half c)

Draw a line which divides these shapes into half.

























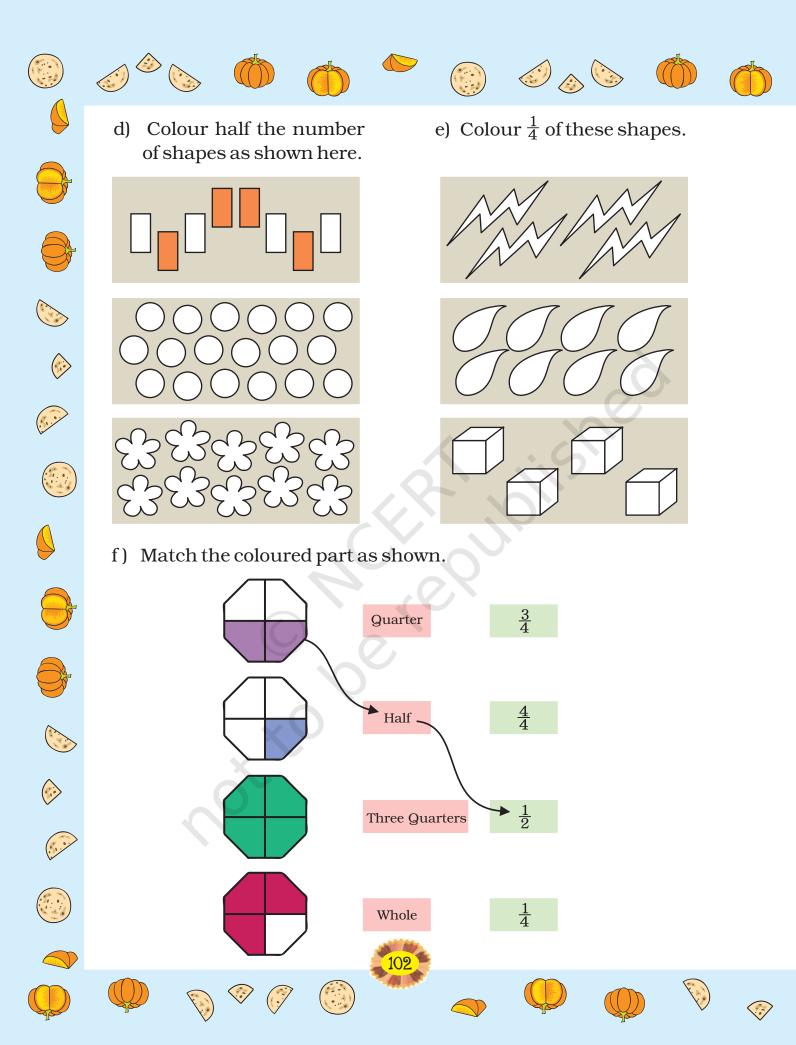




















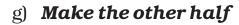








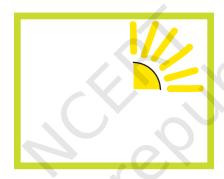




 $\frac{1}{2}$ of the picture is drawn here. Can you complete the picture by drawing the other half?



h) This is a quarter of a picture. Can you complete it? How many more quarters will you draw to complete it?



Half and Quarter of a Metre

Using your metre scale, cut a string of one metre.

- On this string, mark the length $\frac{1}{2}$ metre, $\frac{1}{4}$ metre and $\frac{3}{4}$ metre.
- Using your string, draw a line of length $\frac{1}{2}$ metre on the floor. How many centimetres long is the line? _____













































So



$$\frac{1}{2}$$
 metre= cm

$$\frac{1}{4}$$
 metre= cm

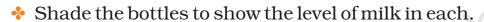
$$\frac{3}{4}$$
 metre= cm

Can you see that when we add $\frac{1}{2}$ and $\frac{1}{4}$ we get $\frac{3}{4}$?



Sharing Milk

This bottle is full of milk and it holds one litre. The milk is put into 4 other bottles so that each bottle has $\frac{1}{4}$ litre of milk.



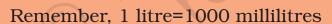


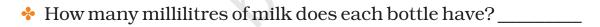










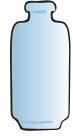


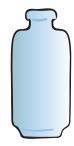


Shan poured 1 litre of milk into two bottles so that the first bottle holds $\frac{3}{4}$ litre and the other holds $\frac{1}{4}$ litre.





















































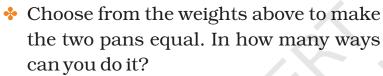


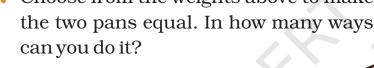




Balance the Weight

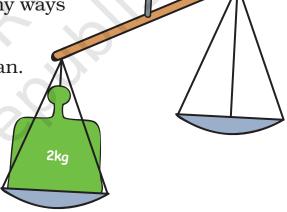


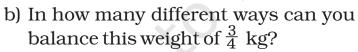






Remember, 1kg =1000 g





- 1)
- 2)
- 3)

