























Halves and Quarters

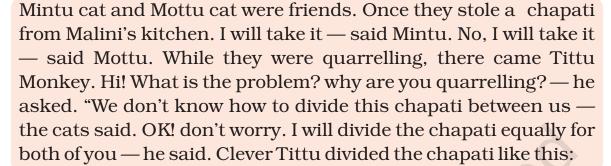






















These are not equal, the left part is bigger — Mintu and Mottu said. Oh, no problem, I will make it equal — Tittu said. He then cut a part of the left piece and ate it.























climbed the tree.









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





Now is it equal?

























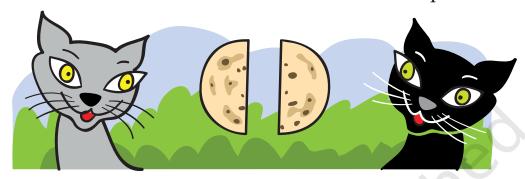


Half-Half

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.























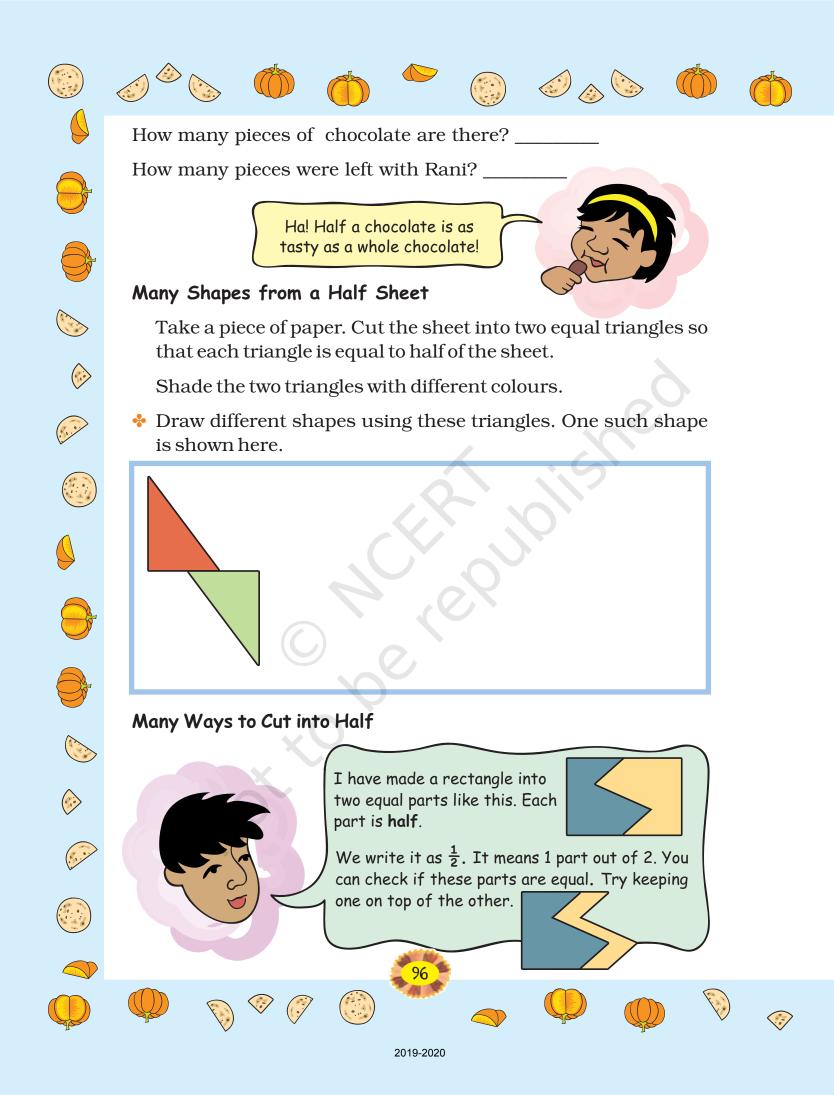
























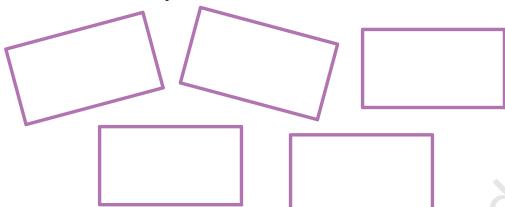






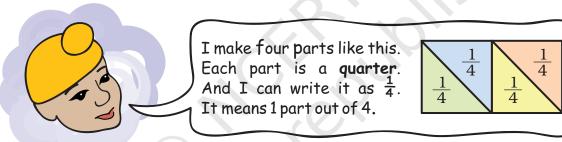
In how many different ways can you cut a **rectangle** into half?

Draw 5 different ways.

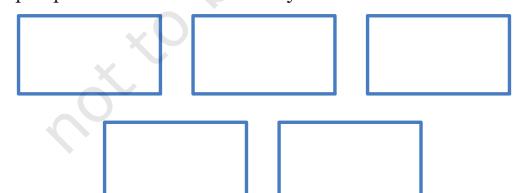


Can you check if they are equal?

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?







































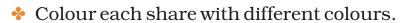


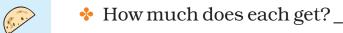
Cutting the Cake



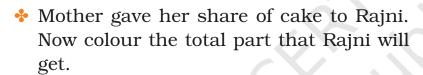
Rajni's father brought a cake. She divided the cake into 4 equal parts — for herself, her brother Raju, her father and her mother.

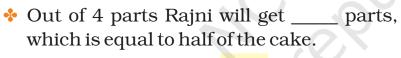






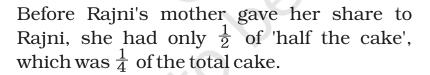


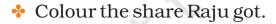




So she can write it as $\frac{1}{4}$ or $\frac{1}{2}$.



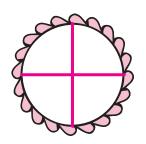






How much of the cake do Rajni and Raju together get? Colour their total share.

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



















































































Price in Rs

8

12

10

16

(per kg)





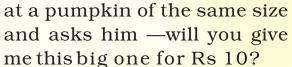
Kundu—Eh! Why not give me $\frac{3}{4}$?



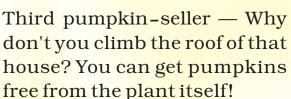
Second pumpkin-seller — Run away! Go, get your pumpkin from that man. He sells such bad vegetables that he will even give you a full pumpkin of this size for Rs 10.



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







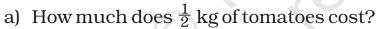


Kundu is very happy. He climbs the roof of that house and then





Using a Price List





c) What is the price of $\frac{3}{4}$ kg of potatoes?



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.























Item

Tomato

Potato

Onion

Carrot

Pumpkin



















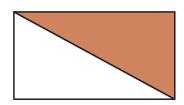


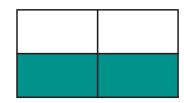




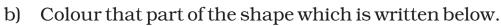
Practice Time

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

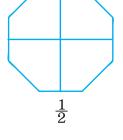




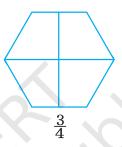


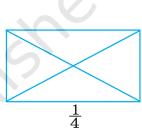


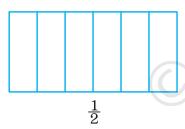
















Cut in half c)

Draw a line which divides these shapes into half.



























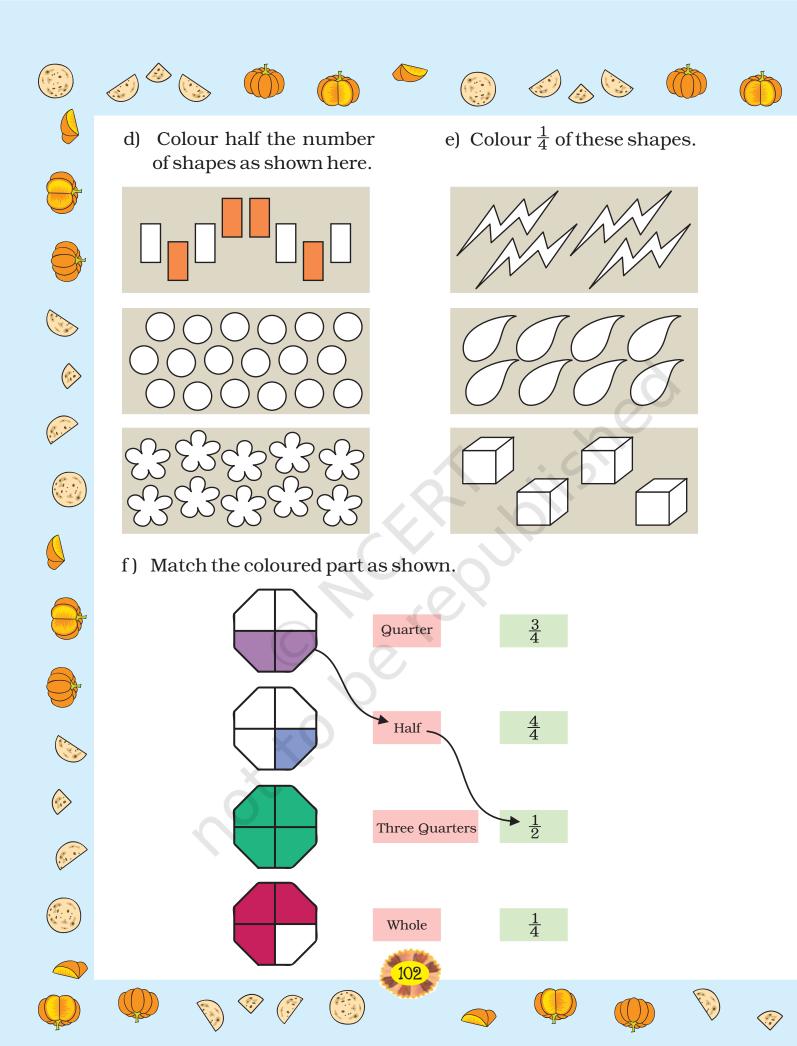




















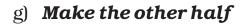








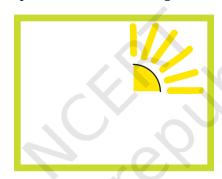




 $\frac{1}{2}$ of the picture is drawn here. Can you complete the picture by drawing the other half?



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

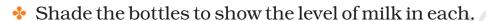
$$\frac{3}{4}$$
 metre= cm

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.













Remember, 1 litre=1000 millilitres

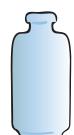


♣ How many millilitres of milk does each bottle have?



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.





- Shade the level of milk in each bottle.
- How many millilitres of milk does each bottle hold?













































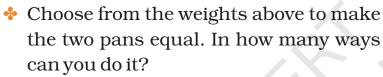






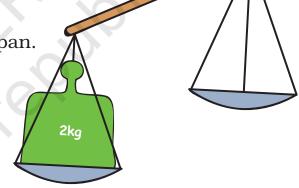
Balance the Weight

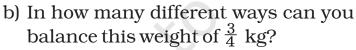




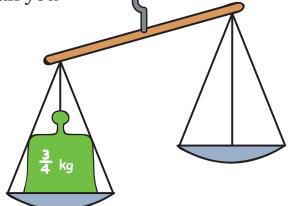


Remember, 1kg =1000 g





- 1)
- 2)
- 3)



































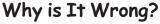




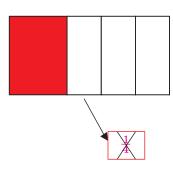


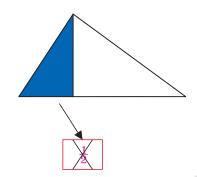






Kannan shaded some parts as shown. But his friend Mini says that it is wrong. Explain why it is wrong.













Practice Time

- There are 60 mangoes. $\frac{1}{2}$ of them are ripe. How many mangoes are ripe?
- There are 32 children. $\frac{1}{2}$ of them are girls. How many children are boys?
- There are 20 stars. A quarter of them are red. How many stars are red?

How many are not red?

