



An assessment of the development of
mathematical concepts

Teacher's administration booklet

October 1999





All the children have their own answer booklet where they can work out their answers, in rough, in the 'rough paper' before giving their answers in the boxes provided. Encourage the children to use this space for doing anything that may help them solve the problem - drawing, writing, doing sums etc.

Please read the instructions and allow the children enough time to attempt each question. If you feel you need to rephrase any instructions, feel free to do so as long as you ensure that you are not giving the children extra clues.

Please make sure that each child has a pencil and that there are no rulers on the tables before you start the assessment.

Date _____

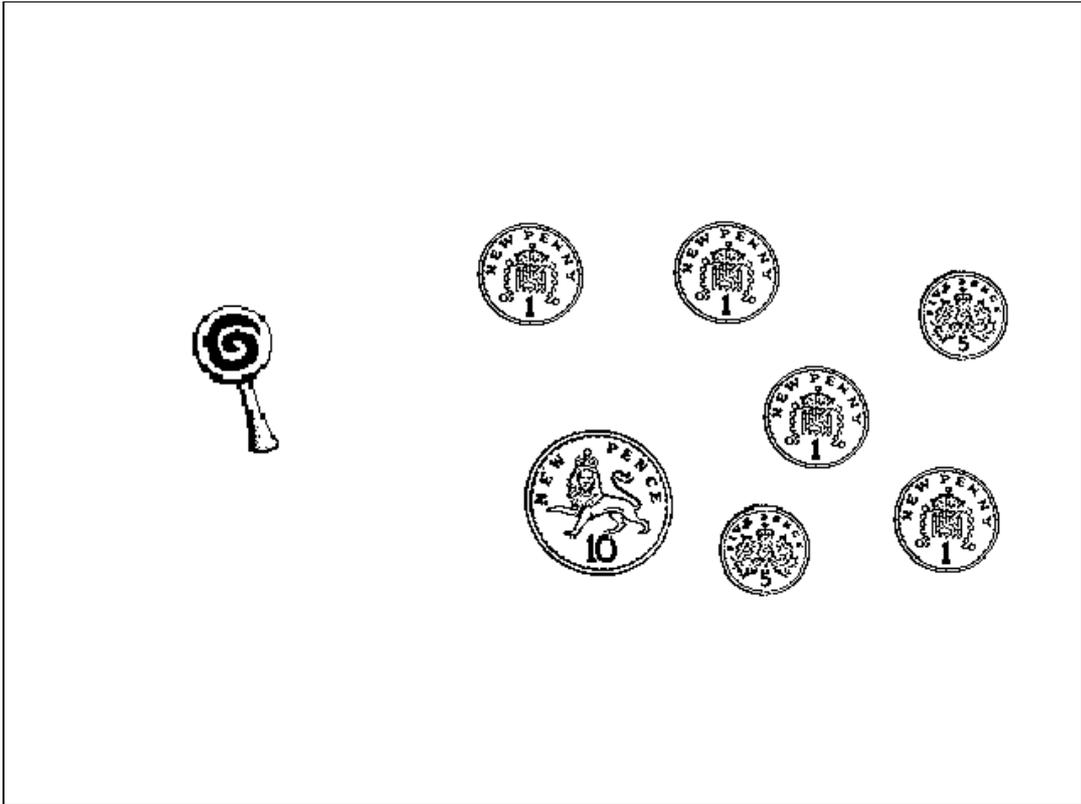
School _____

Class _____

Birthday _____

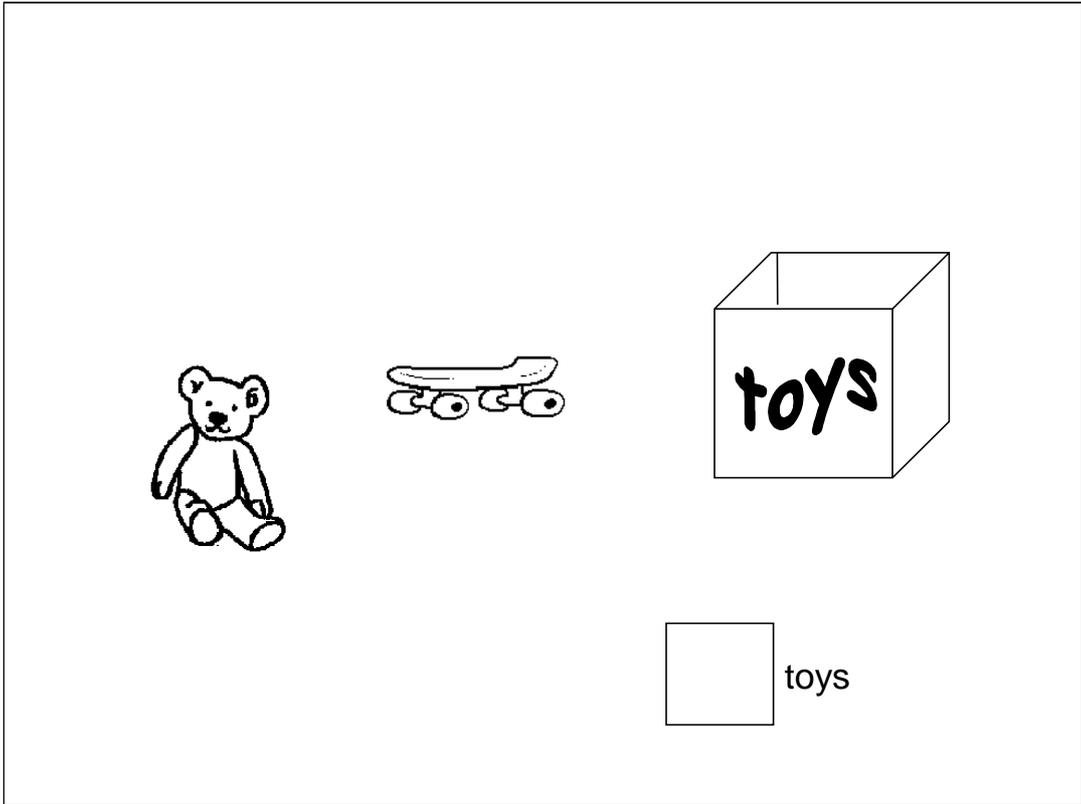


(Second page of children's booklet)



The lolly costs 8p.

Tick the coins you need to pay the exact money.

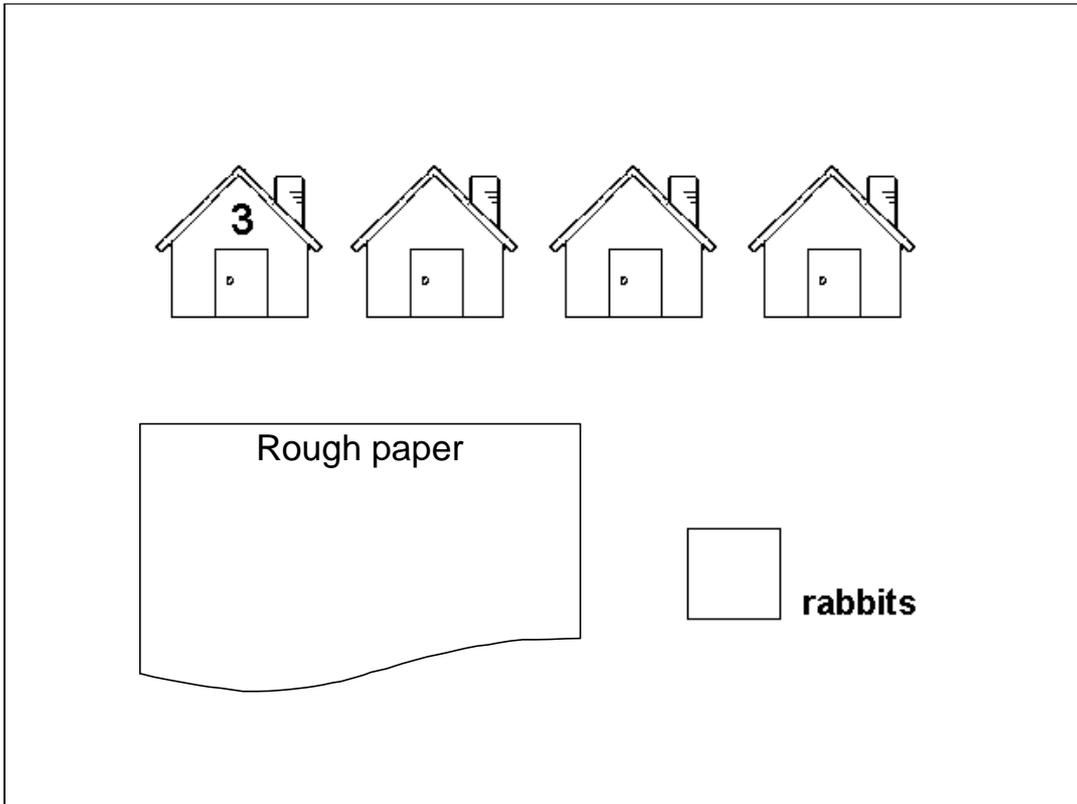


The boy has 12 toys altogether.

You can see 2 of his toys, the rest are in the box.

How many toys are in the box?

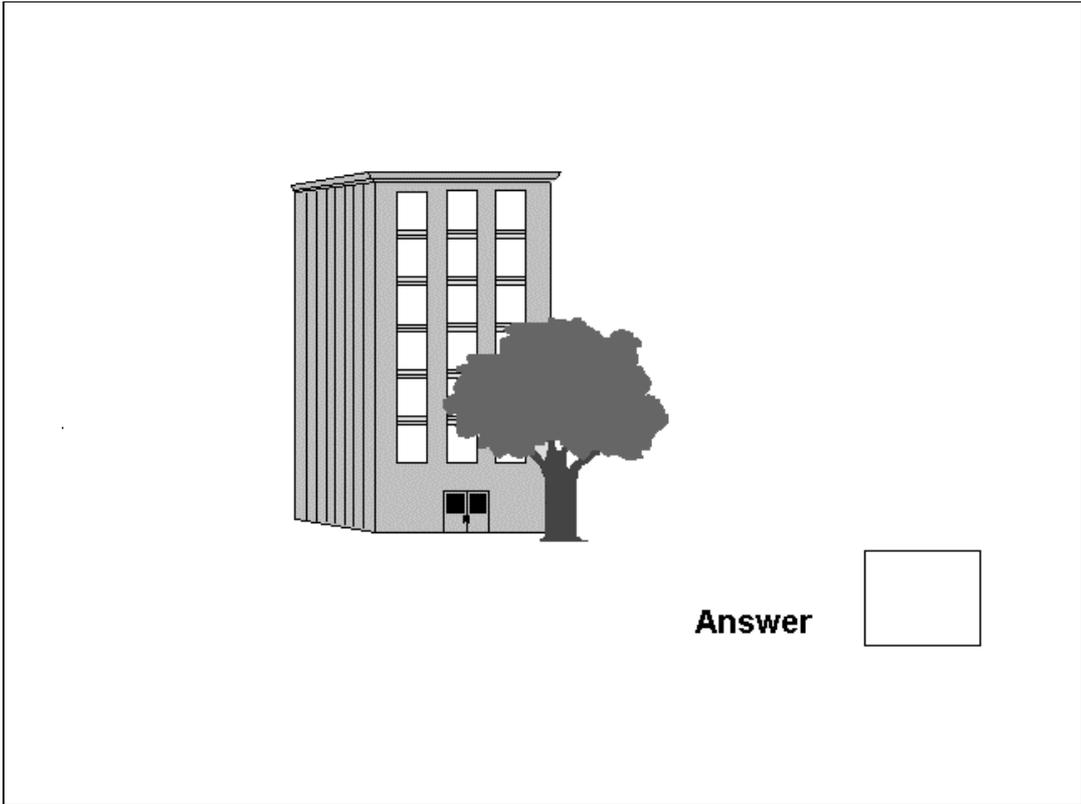
Write your answer in the box.



3 rabbits live in each house.

How many rabbits altogether live in the 4 houses?

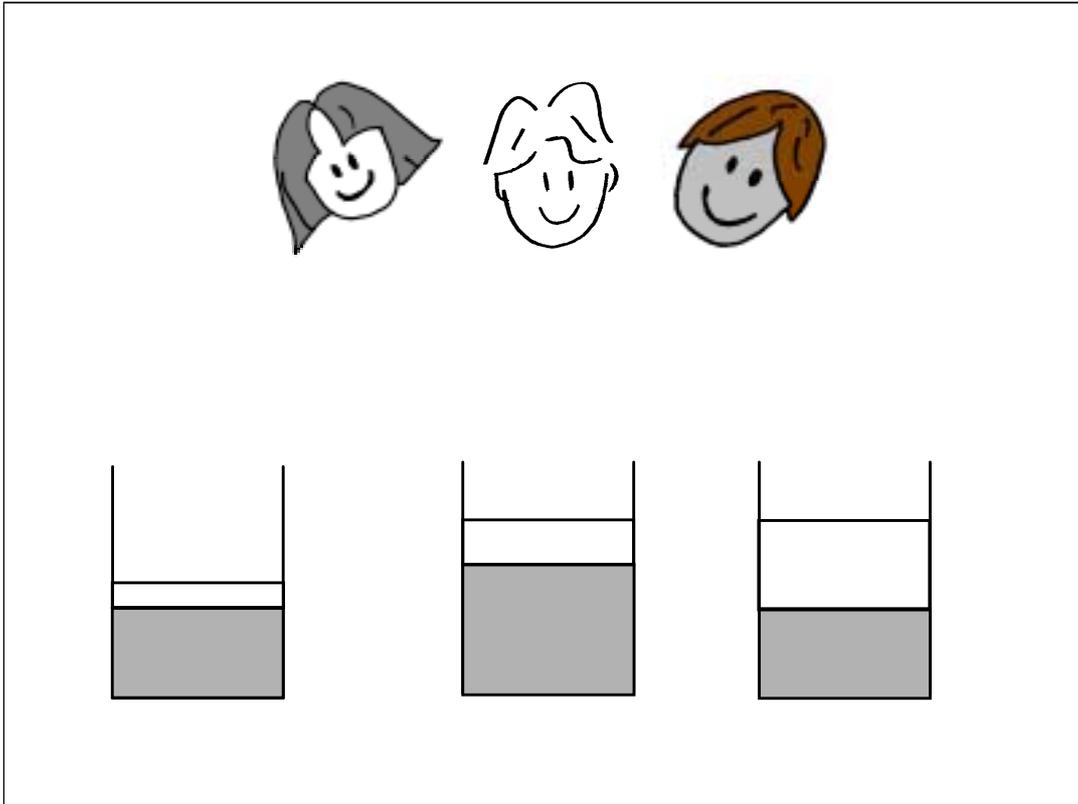
Write your answer in the box.



You cannot see all the windows on the building because some are behind the tree.

How many windows are there altogether?

Put your answer in the box.



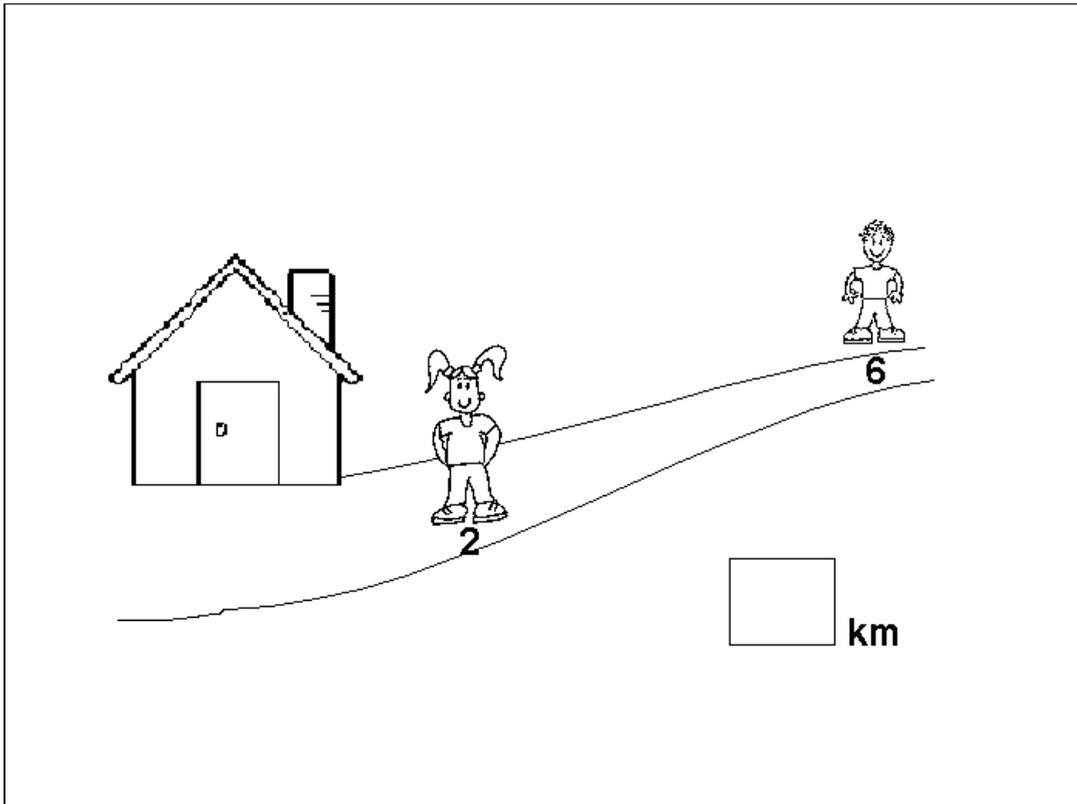
Three children are making orange squash

(if the children don't understand this, try saying that the children are making a brand name drink like Ribena or Kia-ora).

In the picture the orange squash is grey and the water is white. The children then stir their drinks.

The drink in two glasses will taste the same.

Which two glasses? Tick them.



Two friends were walking on the beach.

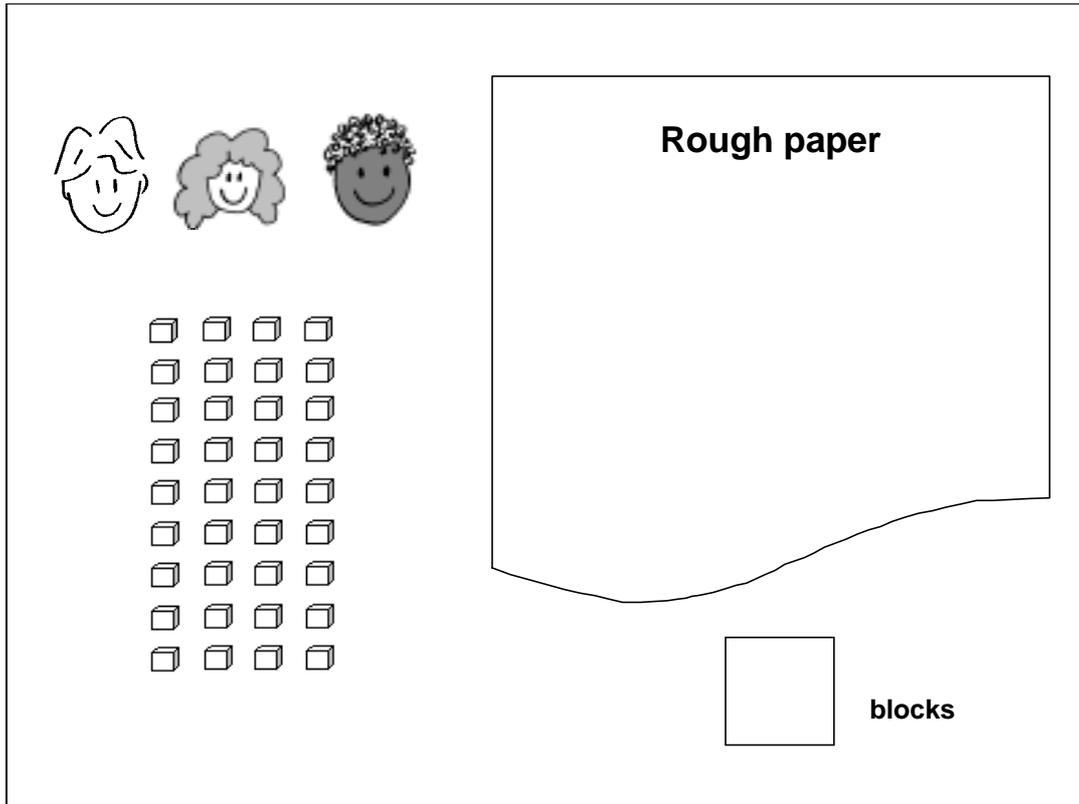
They started walking from the house and walked in the same direction.

The girl stopped and the boy went on.

The girl walked 2km from the house and the boy walked 6km from the house.

How far apart are the two friends?

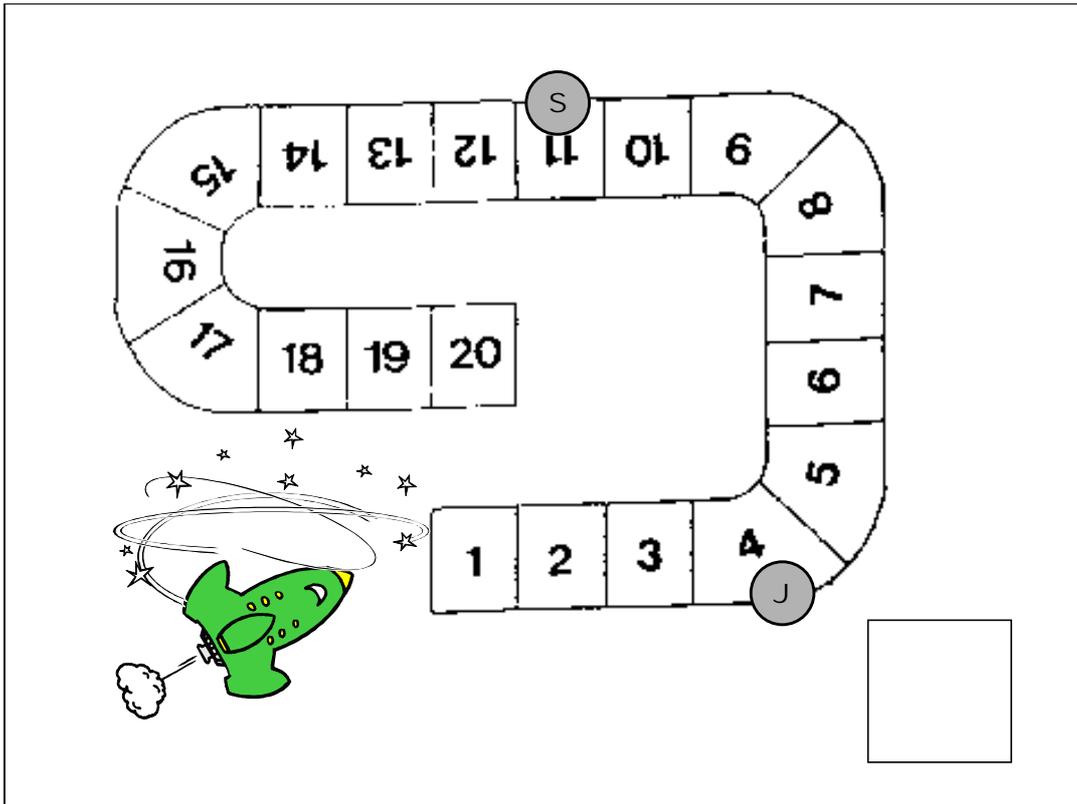
Write your answer in the box.



Three children are sharing 36 blocks with each other.

How many blocks will each child get?

Write your answer in the box.



Jamal and Serena are playing a game.

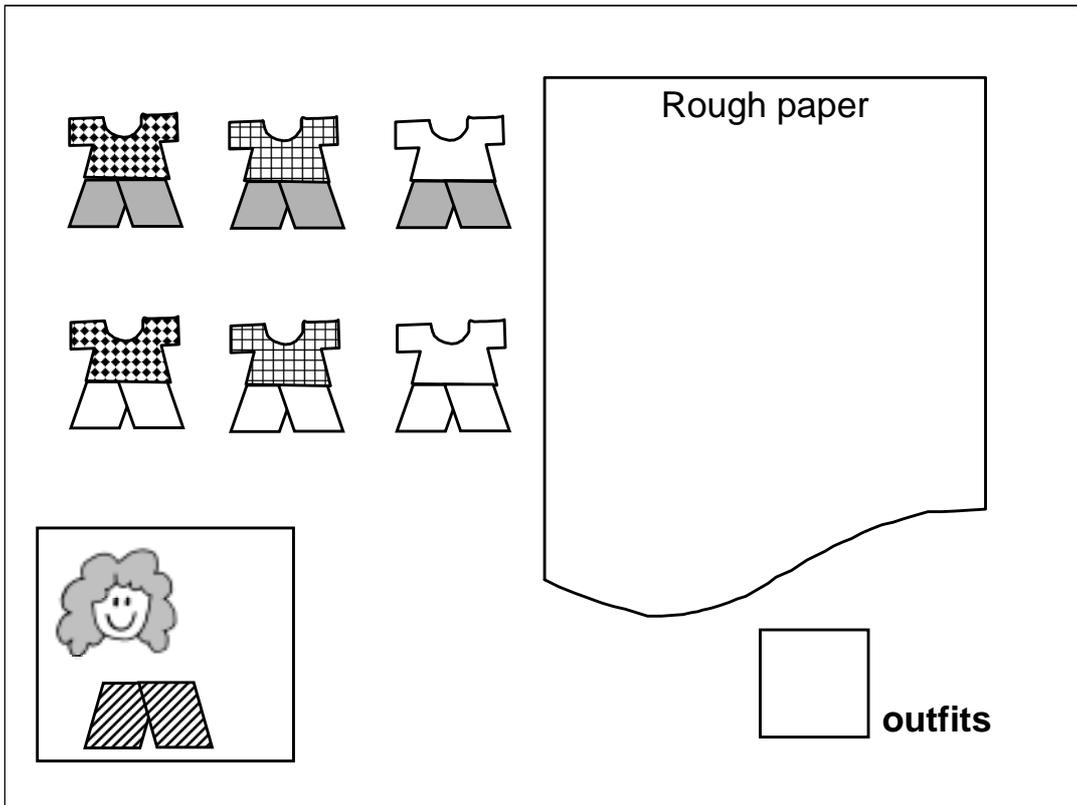
Jamal is at number 4.

Serena is at number 11.

Serena is winning.

How many squares ahead is Serena?

Put your answer in the box.



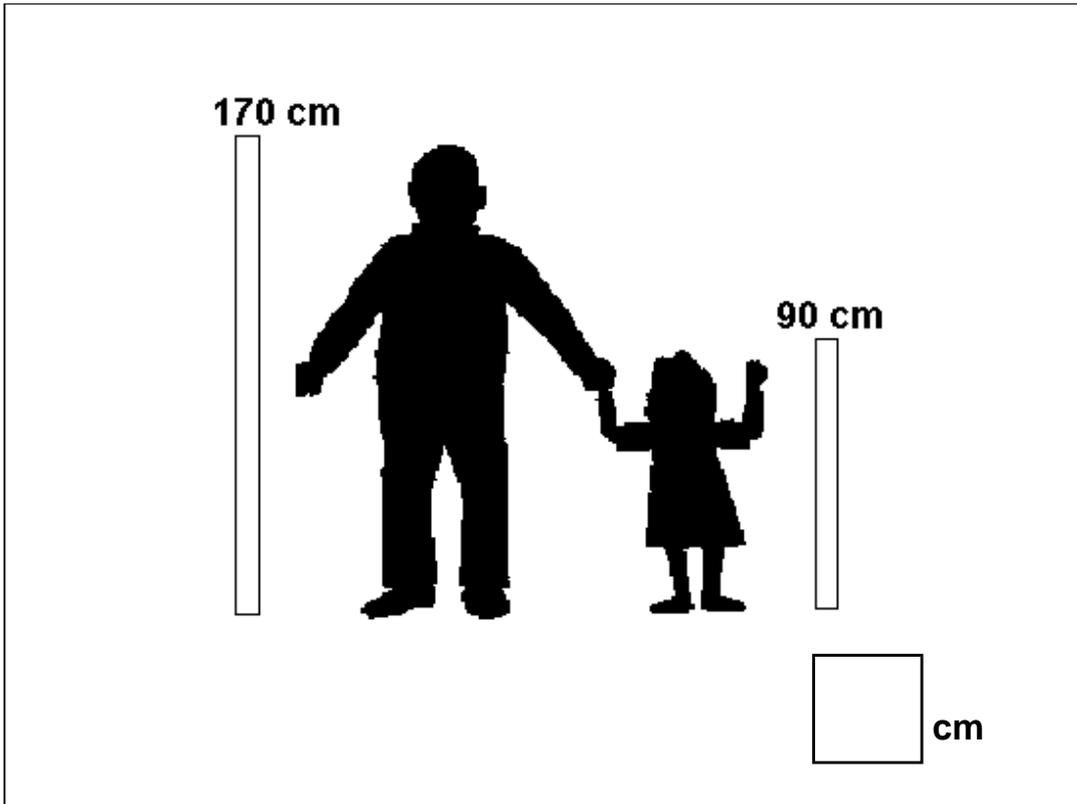
A girl has two pairs of shorts and three t-shirts.

She can make six outfits. Look at the drawing and see the different outfits she can make.

The girl goes out and buys one more pair of shorts.

How many outfits altogether can the girl make now with three pairs of shorts and three t-shirts?

Write your answer in the box.



Daddy and Claire are measuring themselves on their height charts.

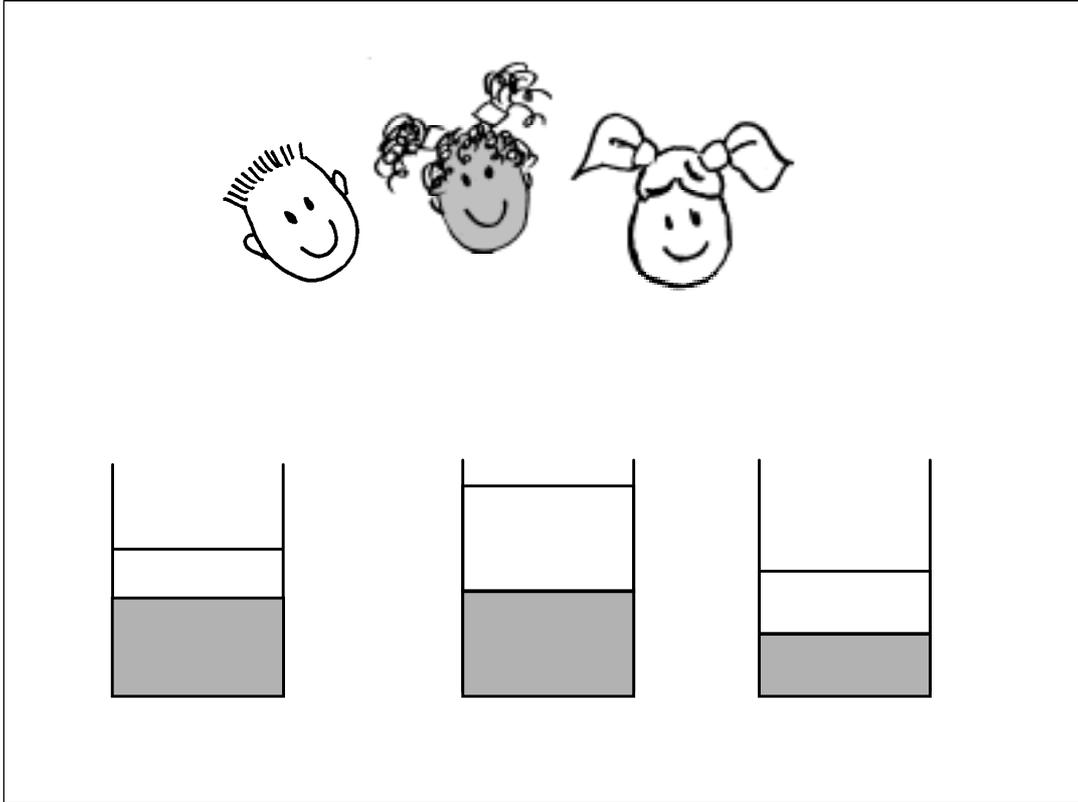
They have two height charts that are the same height as them.

Daddy's height chart is 170cm long.

Claire's height chart is 90cm long.

Daddy is taller. How much taller is he?

Write your answer in the box.



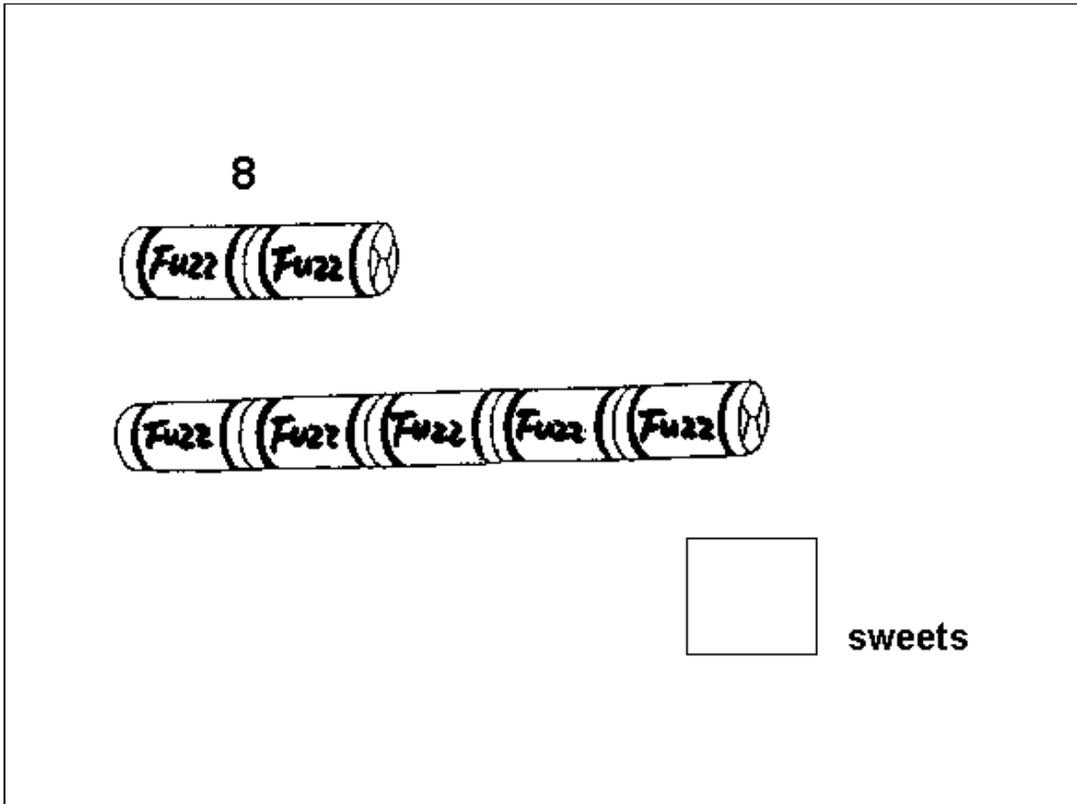
Three children are making orange squash

(if the children don't understand this, try saying that the children are making a brand name drink like Ribena or Kia-ora).

In the picture the orange squash is grey and the water is white. The children then stir their drinks.

The drink in two glasses will taste the same.

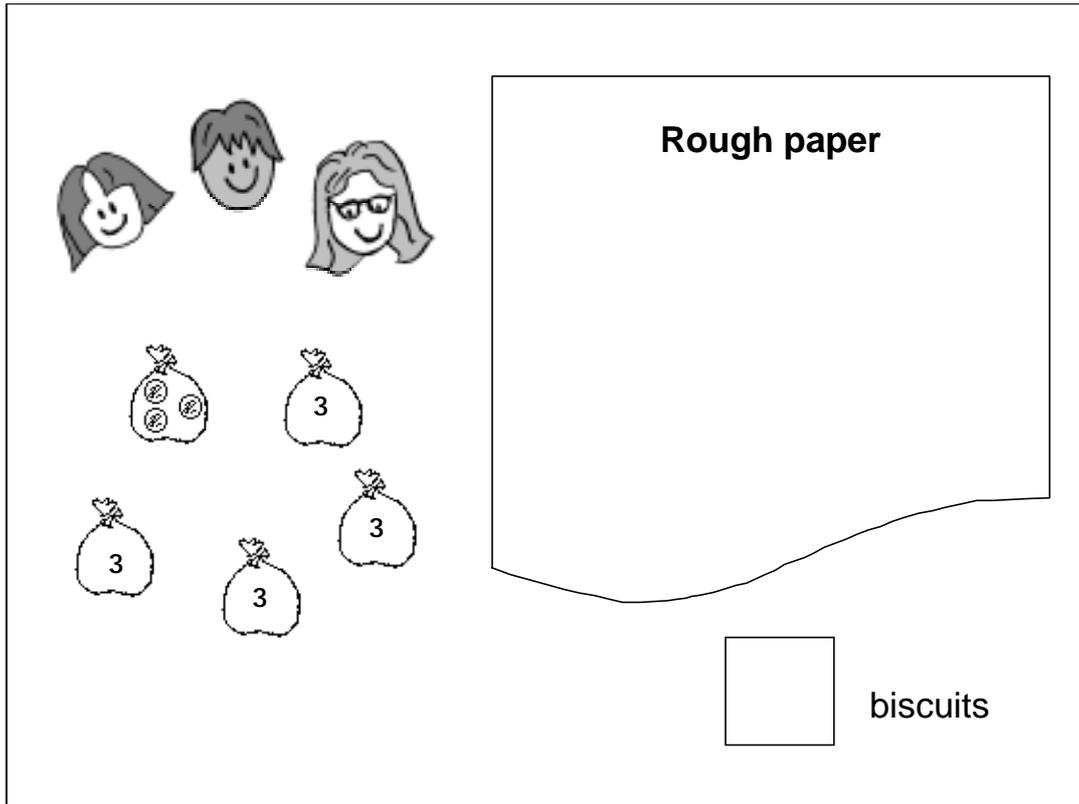
Which two glasses? Tick them.



The roll on top has 8 sweets.

How many sweets do you think there are in the big roll below?

Write you answer in the empty box.

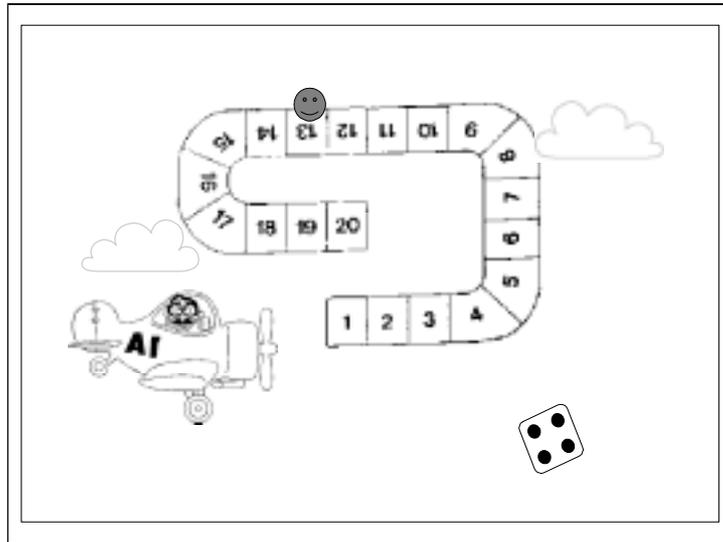


Three children are sharing all the biscuits inside all the bags.

Each bag has three biscuits in it.

How many biscuits will each child get?

Write your answer in the box.



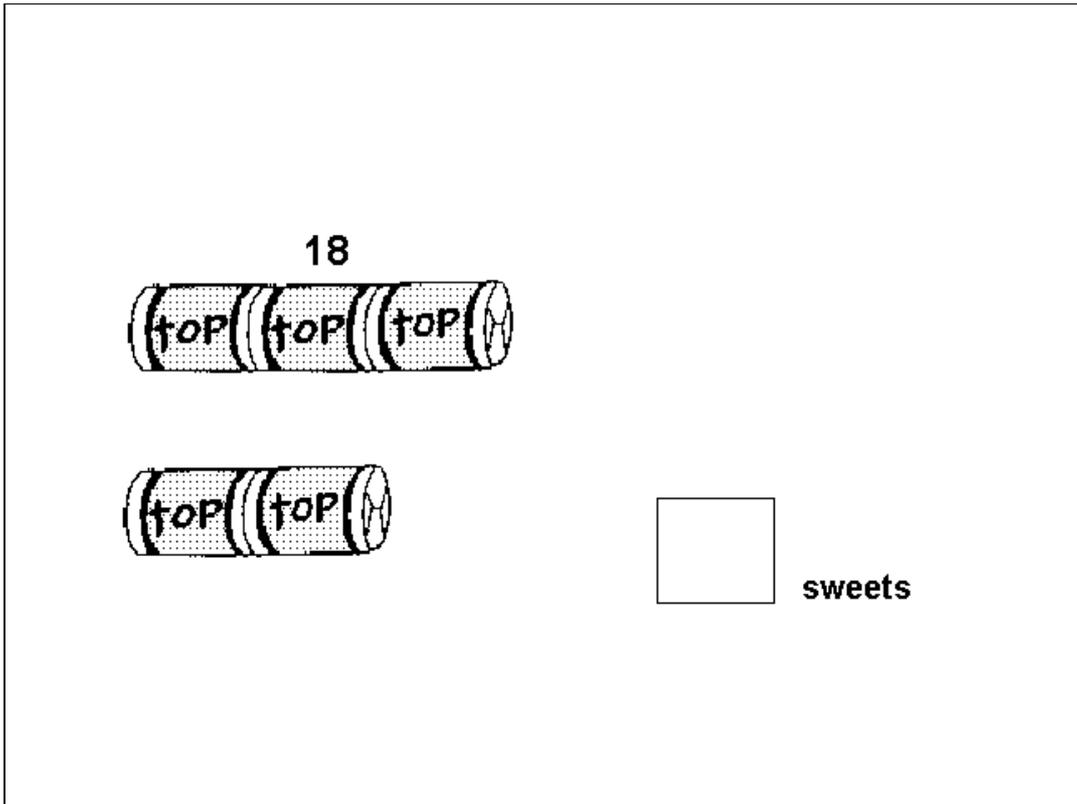
The girl is playing a game.

When her turn comes, she gets a 4 and moves along 4 squares.

She is now on the number 13.

Where was she before?

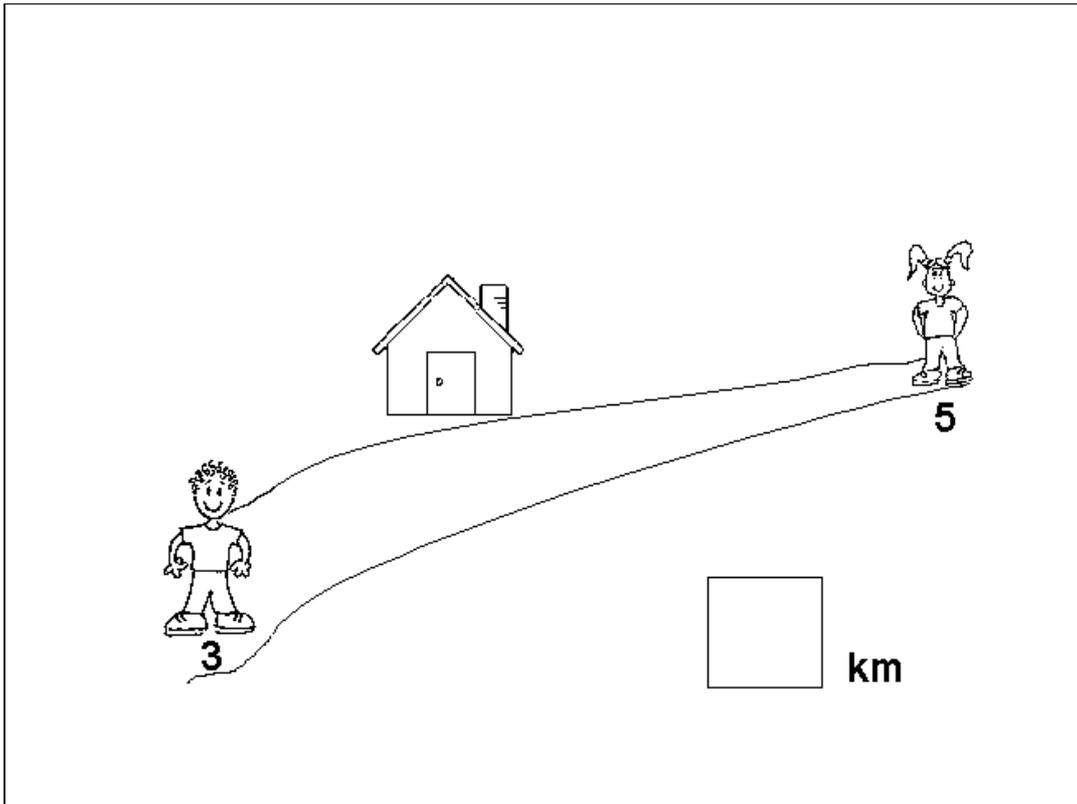
Draw her counter on the square she was on before.



The roll of sweets on top has 18 sweets.

How many sweets do you think there are in the small roll below?

Write your answer in the box.



Two friends were walking on the beach.

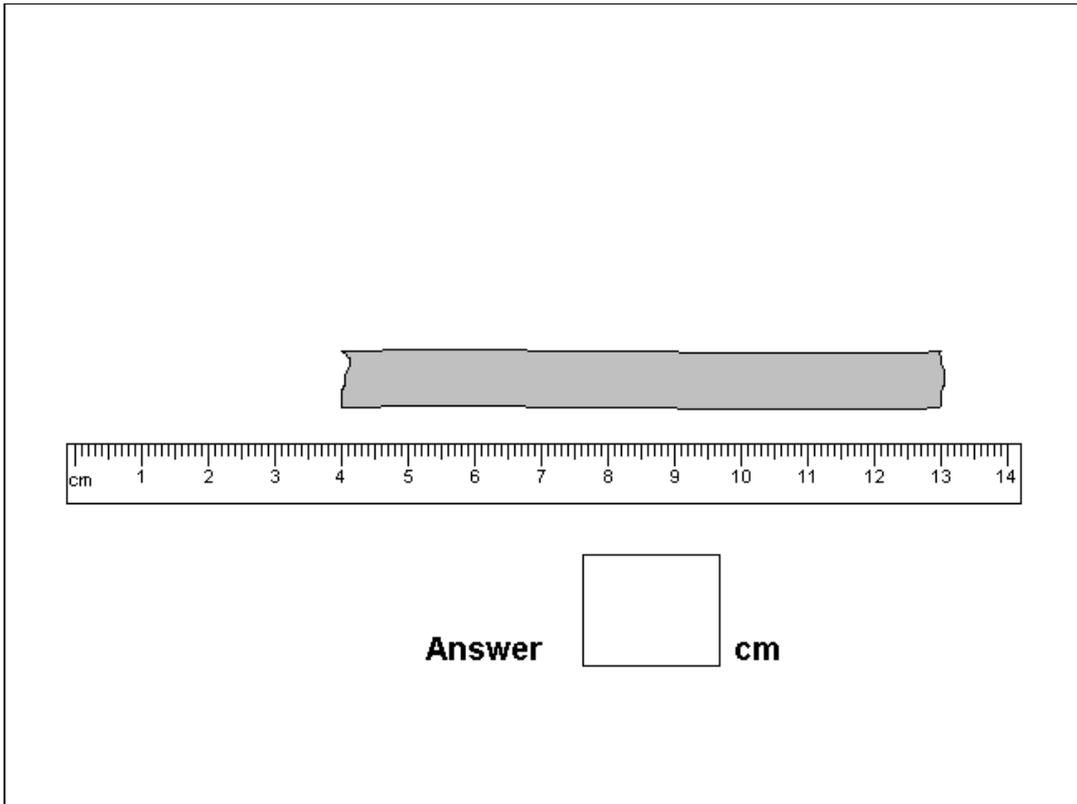
They started walking from a house.

The boy walked 3km one way.

The girl walked 5km the other way.

How far apart are the two friends?

Write your answer in the empty box.



(Make sure there are no rulers on the table before this question is asked)

Here is a picture of a ribbon and a ruler.

How long is the ribbon?

Use the ruler in the picture to help you find out.

Write your answer in the empty box.

Many thanks for your help
Please return this booklet together with
those of the child(ren) to:

Professor Jean Golding
Children of the Nineties - ALSPAC
Institute of Child Health
24 Tyndall Avenue
Bristol
BS8 1BR Tel: Bristol 928 5007

Name _____