









Complete the number chart from 1 - 50.

1		3							
	12								20
			24			27			
				35				39	
41								49	

Circle the number symbols on the number chart.

 twelve	 thirty
 forty-six	 seventeen
 thirty-three	 twenty-four
 forty-two	 nine

Read the number name and write the symbol.

thirty-six		nineteen	
twenty-seven		thirty-four	
forty-eight		fifty	

1.3 Number symbols and number names. (12)

a) Write the number symbol for the following:

❖ 6 hundreds, 4 tens, 8 units = \_\_\_\_\_

❖ 5 units, 7 hundreds, 1 ten = \_\_\_\_\_

❖ 5 hundreds and 20 tens = \_\_\_\_\_

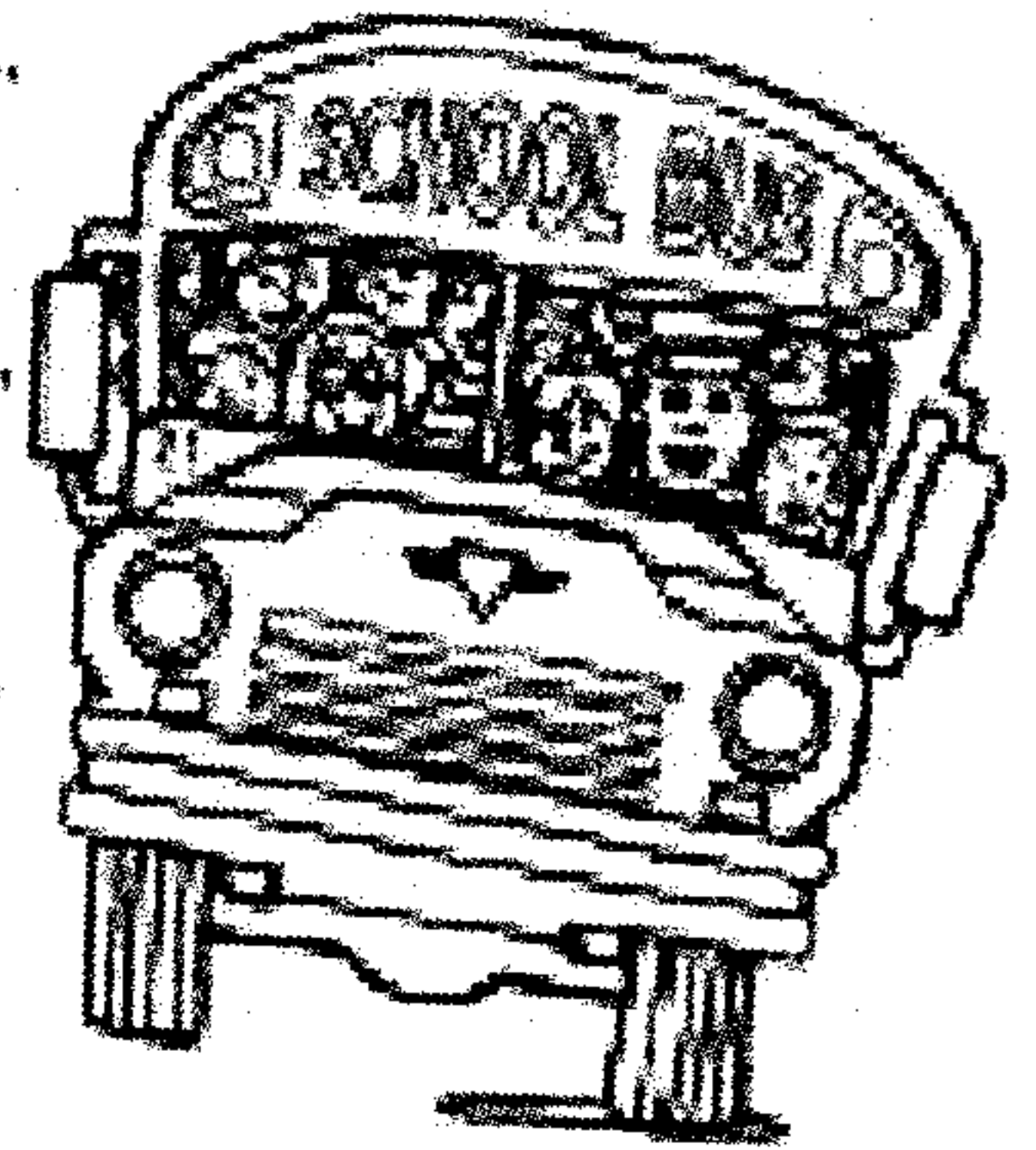
❖ thirteen tens and 2 hundreds = \_\_\_\_\_

❖ eight hundred and seventy six = \_\_\_\_\_

❖ nine hundred and seventy six = \_\_\_\_\_

❖ one thousand and twenty two = \_\_\_\_\_

❖ five hundred and sixty seven = \_\_\_\_\_



b) Write the number name for the following:

i. The number that came after 548:

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ii. The number that is between 872 and 874:

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iii. The number that comes before 988:

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iv.  $463 + 5 = ?$

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Describe, compare and order numbers up to 50.

Use your number chart.

🍏 1 more than twenty-four = .....

♂ Compare using symbols: 36 ..... 35

🐱 sixteen plus three = .....

🐟 fifty minus two = .....

😊 50 is 10 more than = .....

😊 20 + ..... = 50

💡 double 12 = .....

🪁 5 less than 50 = .....

🍃 seventeen - 2 = .....

📺 half 50 = .....

🕷 43 = ..... + 3

🕸 2 more than thirty-six = .....

🌙 3 more than 46 = .....

♥ 5 less than 34 = .....

🎲 5 ..... (more/less) than 20 is 25





Activity 1: Order numbers

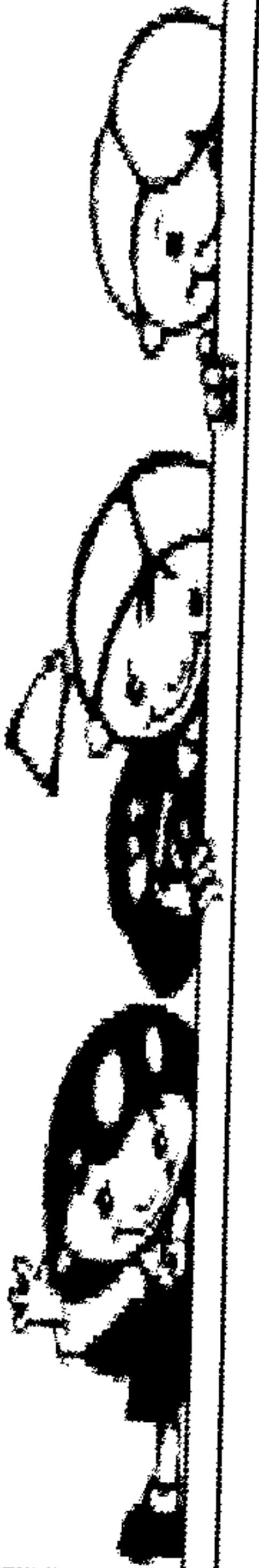
1. What comes before 453.....
2. Between 369 and 471.....
3. What comes after 549.....
4. What comes after 699.....
5. What comes before 943.....
6. Between 857 and 859.....
7. Between 310 and 312.....
8. What comes before 769.....

Activity 2: More / less

1. 3 more than 254 is .....
2. 10 less than 346 is .....
3. 5 less than 543 is .....
4. 2 more than 674 is .....
5. 20 more than 340 is .....
6. 4 less than 526 is .....
7. 5 more than 704 is .....
8. 8 more than 560 is .....

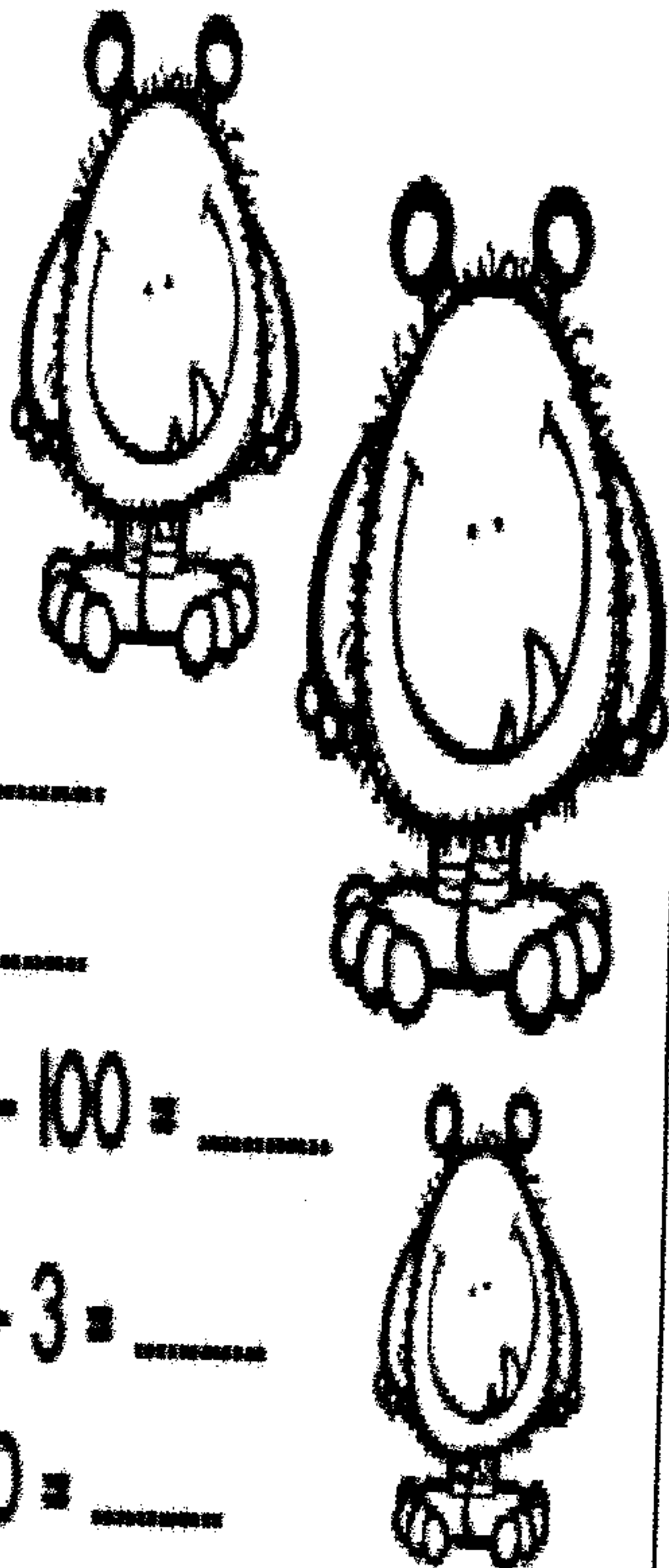
Activity 3: make straight

1.  $20 + 5 + \dots = 35$
2.  $15 + 15 + \dots = 45$
3.  $3 \times 5 = 7 + \dots$
4.  $\text{double } 25 = 67 - \dots$
5.  $7 \times 4 = 14 \times \dots$
6.  $6 \times 3 = 85 - \dots$
7.  $36 \div 3 = 20 - \dots$
8.  $\dots + 75 = 125 - 25$



Activity 4: Repeated addition / subtraction.

1.  $150 - 25 - 25 - 25 = \dots$
2.  $160 + 20 + 20 + 20 = \dots$
3.  $15 + 15 + 15 + 15 + 15 = \dots$
4.  $75 + 5 + 5 + 5 + 5 + 5 + 5 = \dots$
5.  $21 + 7 + 7 + 7 + 7 + 7 + 7 = \dots$
6.  $600 - 100 - 100 - 100 - 100 - 100 = \dots$
7.  $63 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 = \dots$
8.  $750 - 50 - 50 - 50 - 50 - 50 = \dots$



Activity 5: Ewe- or odd number?

231	345	750			
even	odd	even	odd	even	odd
803	244	189			
even	odd	even	odd	even	odd
511	230	176			
ewe	odd	ewe	odd	ewe	odd
77	708	492			
ewe	odd	ewe	odd	ewe	odd



# Word Problems

## Grade 3



## What is a word problem?

A word problem consists of a sentence or two describing a scenario where a problem needs to be solved by means of mathematical calculations.

## How do you solve a word problem?

1. Read:

Read your problem/question.

2. Understand:

What are they asking you to do? Try to understand what they want.

3. Identify:

Identify the necessary information that you need.

4. Solve:

Solve the problem by using the suitable calculations or methods.

## Different methods that can be used to solve problems:

(There are many methods that can be used this is just an example of a few.)

### Break - up:

$$123 + 123 = 246$$

$$100 + 100 = 200$$

$$20 + 20 = 40$$

$$3 + 3 = 6$$

$$325 - 123 = 202$$

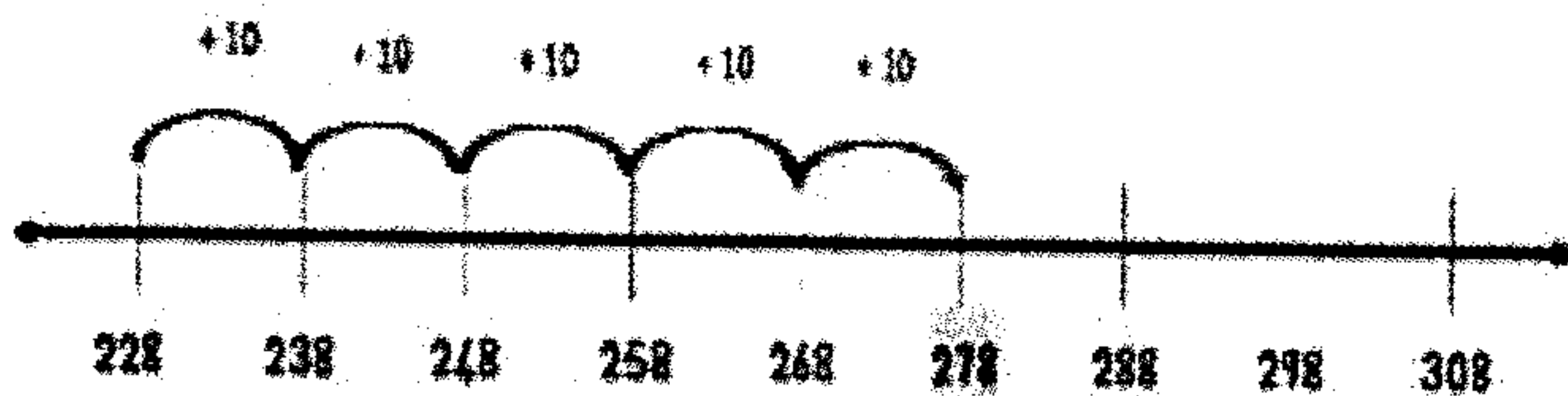
$$300 - 100 = 200$$

$$20 - 20 = 0$$

$$5 - 3 = 2$$

### Number line:

$$228 + 50 = 278$$



### Grouping:

$$30 + 3 = 33$$

Draw 30 circles and make groups of 3.



Johnny has 86 toy cars.

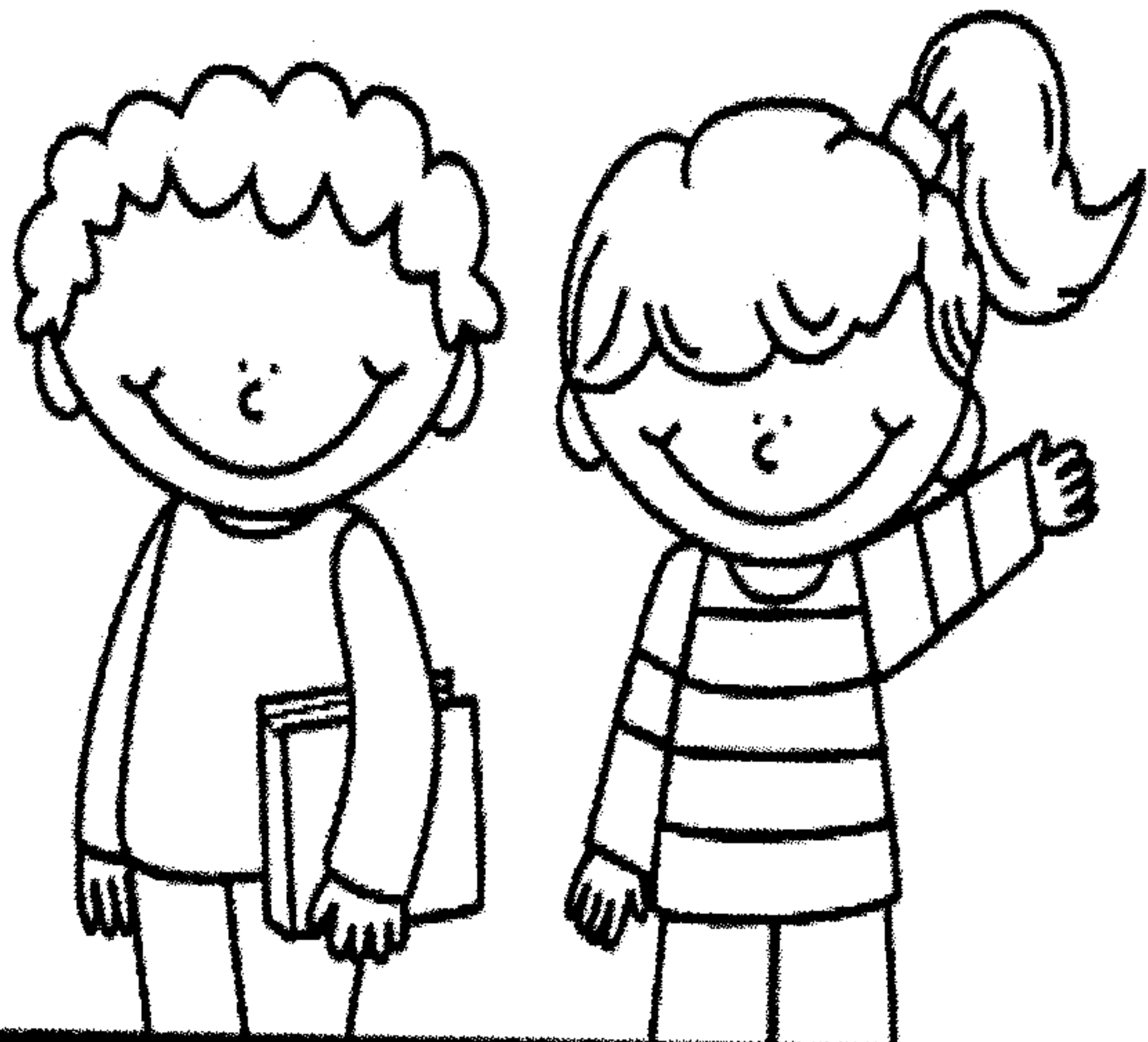
His friend gave him 12 toy cars. How many toy cars does Johnny have now?

His mother said that he should share his toy cars equally between himself and his little brother. How many cars will each get?

Johnny's little brother lost 11 of his toy cars. How many does he have left?



# fractions



## WHAT IS A FRACTION?

A fraction is a part of a whole.

An example:

My grandmother makes a milk tart. She divides it between me and my friend.




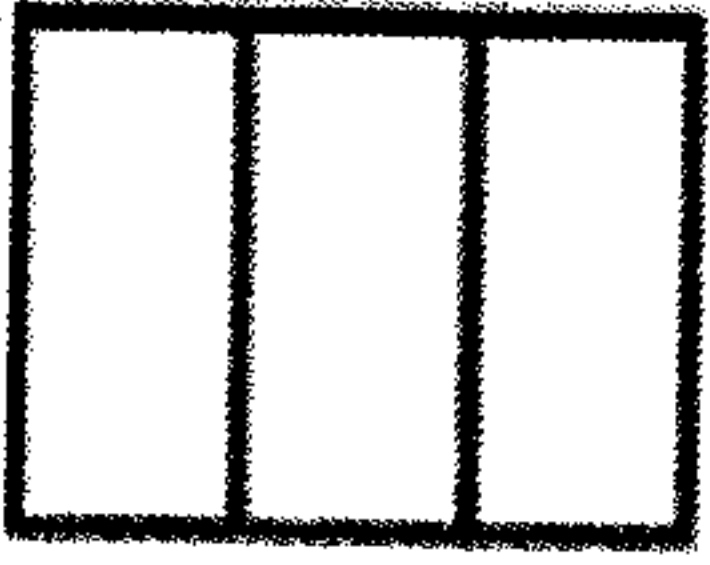
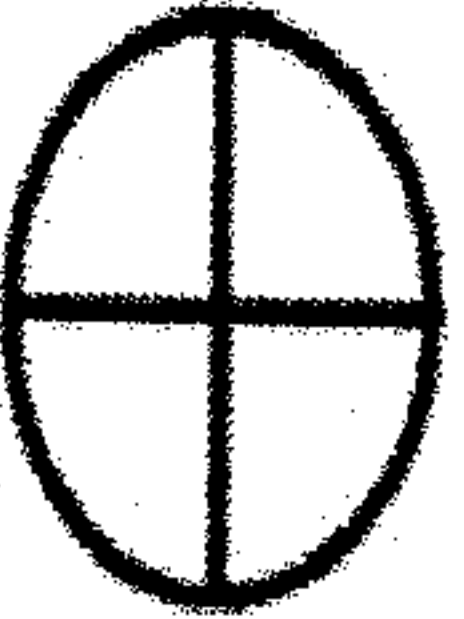
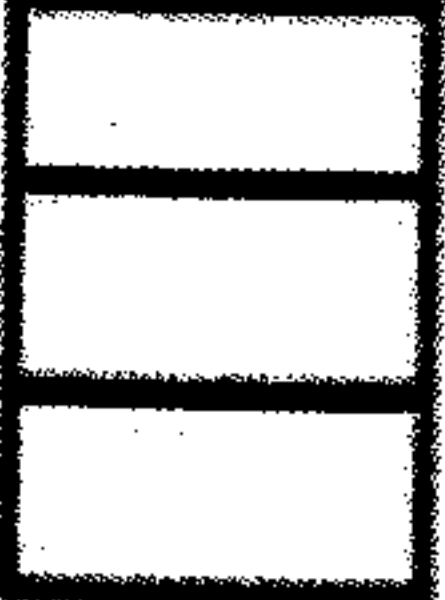
Each of us will get half of the milk tart. Me and my friend will each get  $\frac{1}{2}$ .

Other fractions you need to know of are:

Thirds - It is when a whole is divided into 3 equal parts:  $\frac{1}{3}$ ,  $\frac{2}{3}$ ,  $\frac{3}{3}$

Quarters - It is when one whole is divided

Colour the given fraction and write the fraction in words:

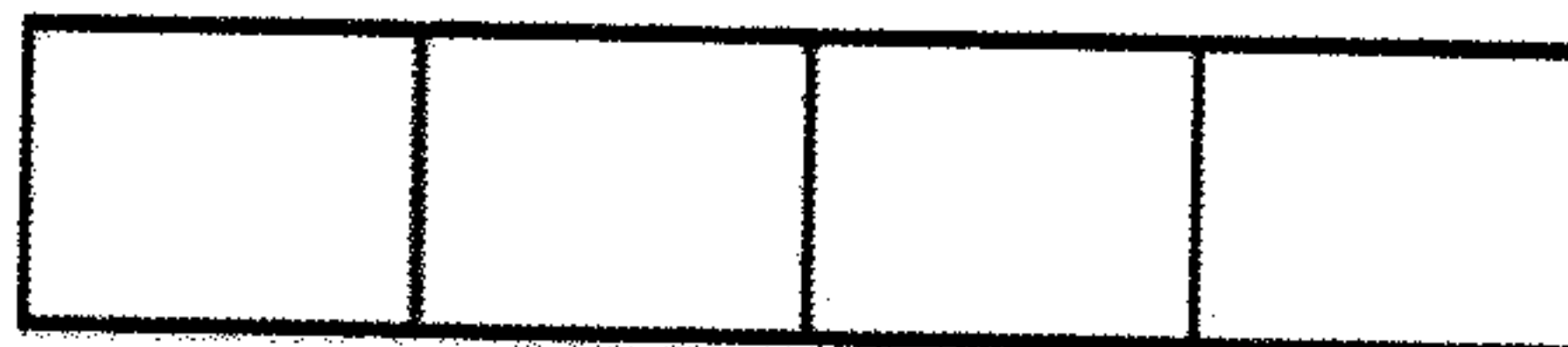
$\frac{1}{2}$		_____
$\frac{2}{3}$		_____
$\frac{2}{4}$		_____
$\frac{1}{3}$		_____

Colour the following fractions:

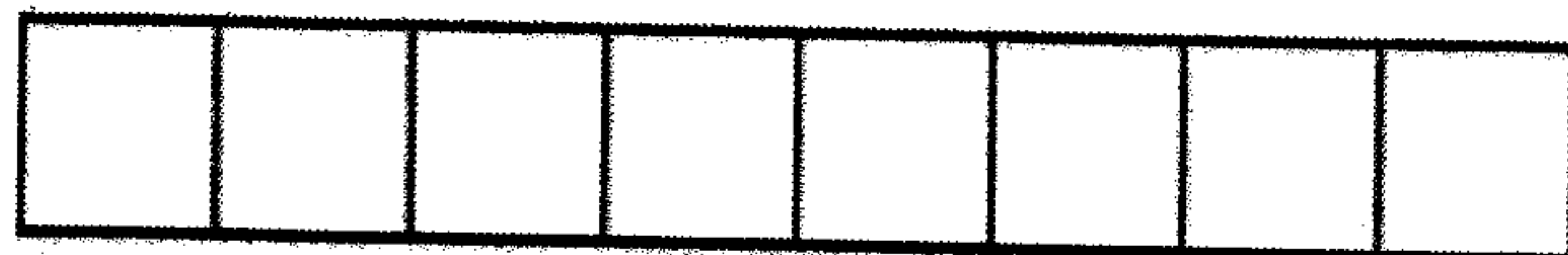
Colour in  $\frac{2}{3}$ :



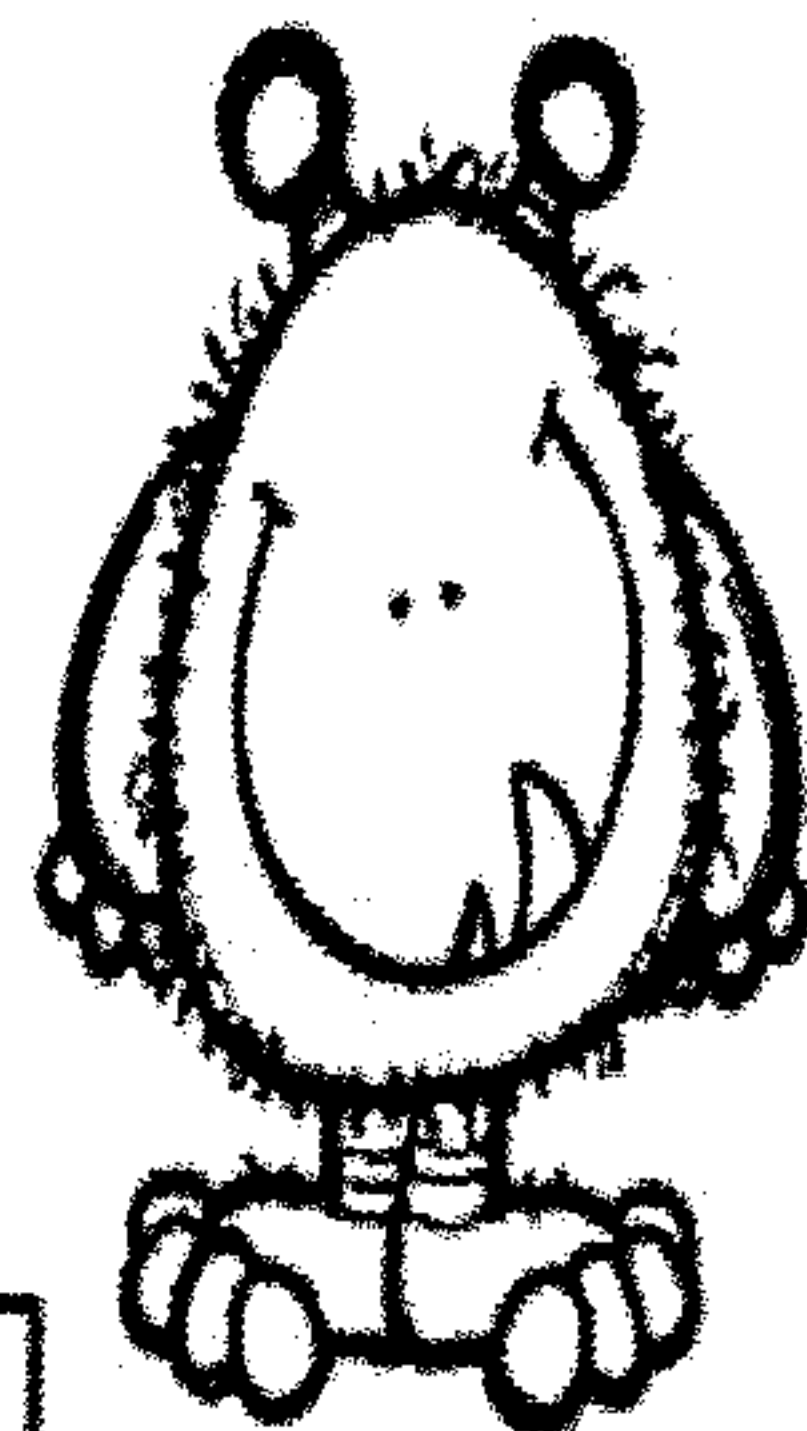
Colour in  $\frac{2}{4}$ :



Colour in  $\frac{1}{2}$ :

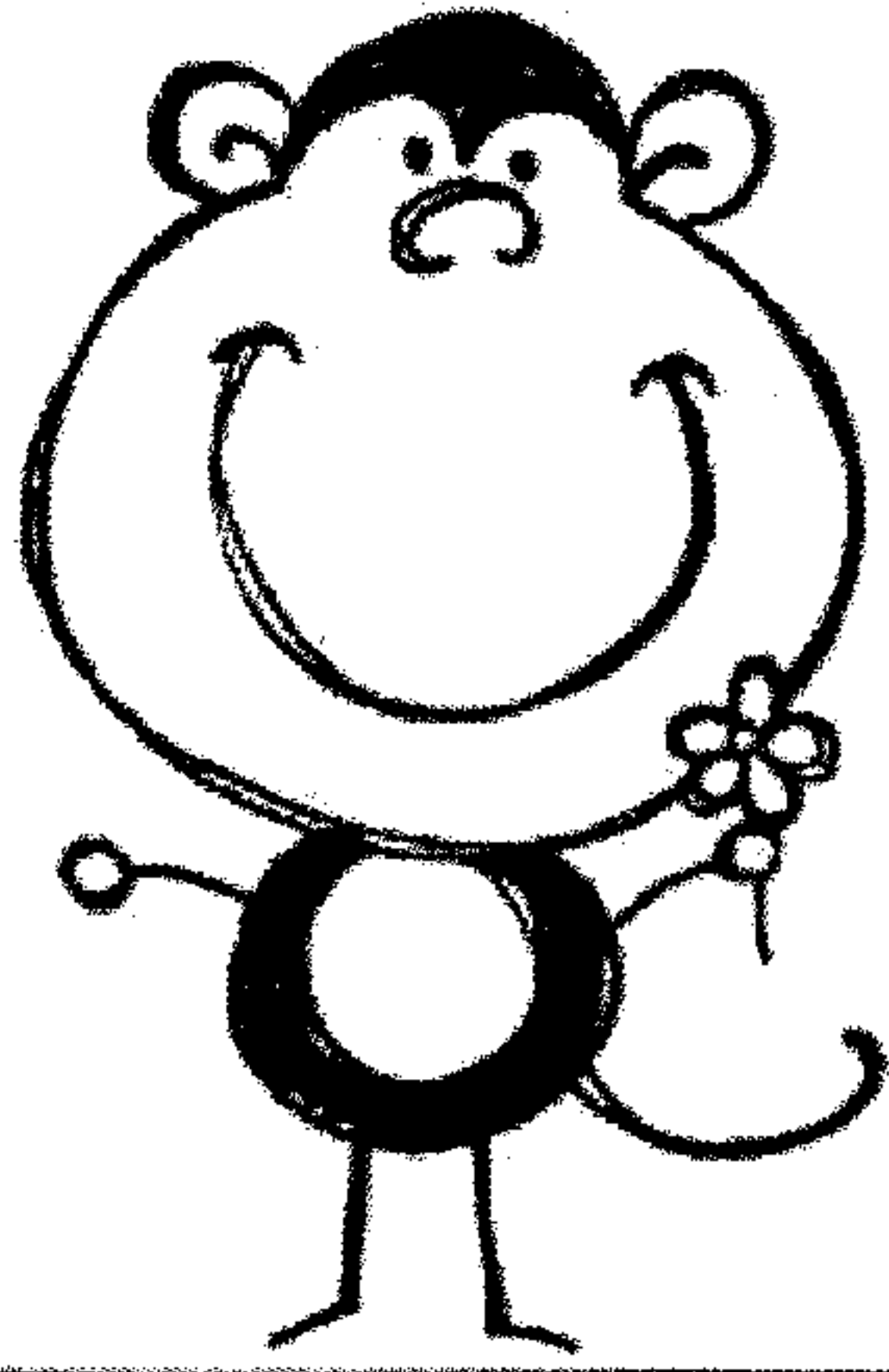


Colour in  $\frac{1}{5}$ :





# Doubling and halving



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## What is doubling?

It is when you add the same amount to the number (you make it twice as much).

I am holding up 2 fingers with my left hand.



I want to double it. Now I also hold up 2 fingers with my right hand.



I am now holding up 4 fingers.

I had 2 fingers and added the same amount again.

Therefore, 2 and 2 equals 4!

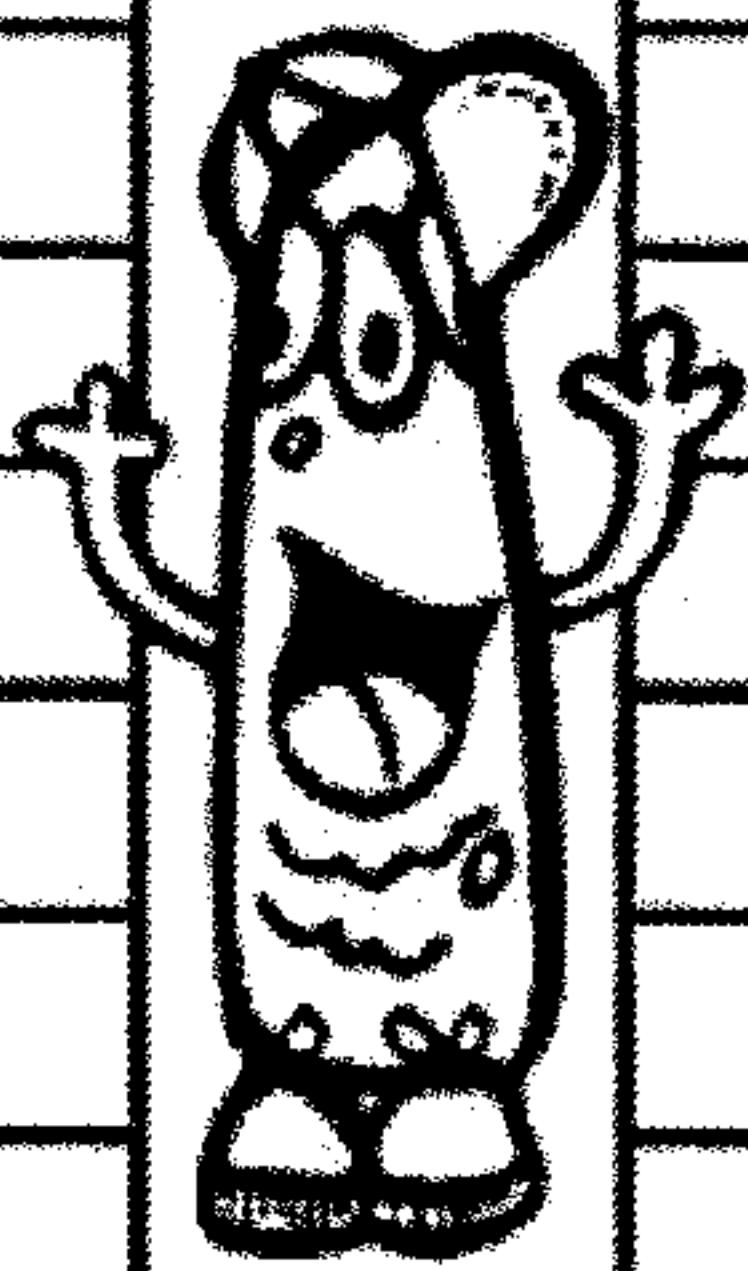


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## Double the following numbers:

14	
22	
30	
17	
12	
8	
18	
23	
28	
32	
35	
25	
16	



9	
45	
34	
29	
21	
19	
13	
15	
26	
24	
20	
42	
31	

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## Complete the following:

Look at the pictures:	How many dots are there?	Add the same amount of dots:	How many you have now?

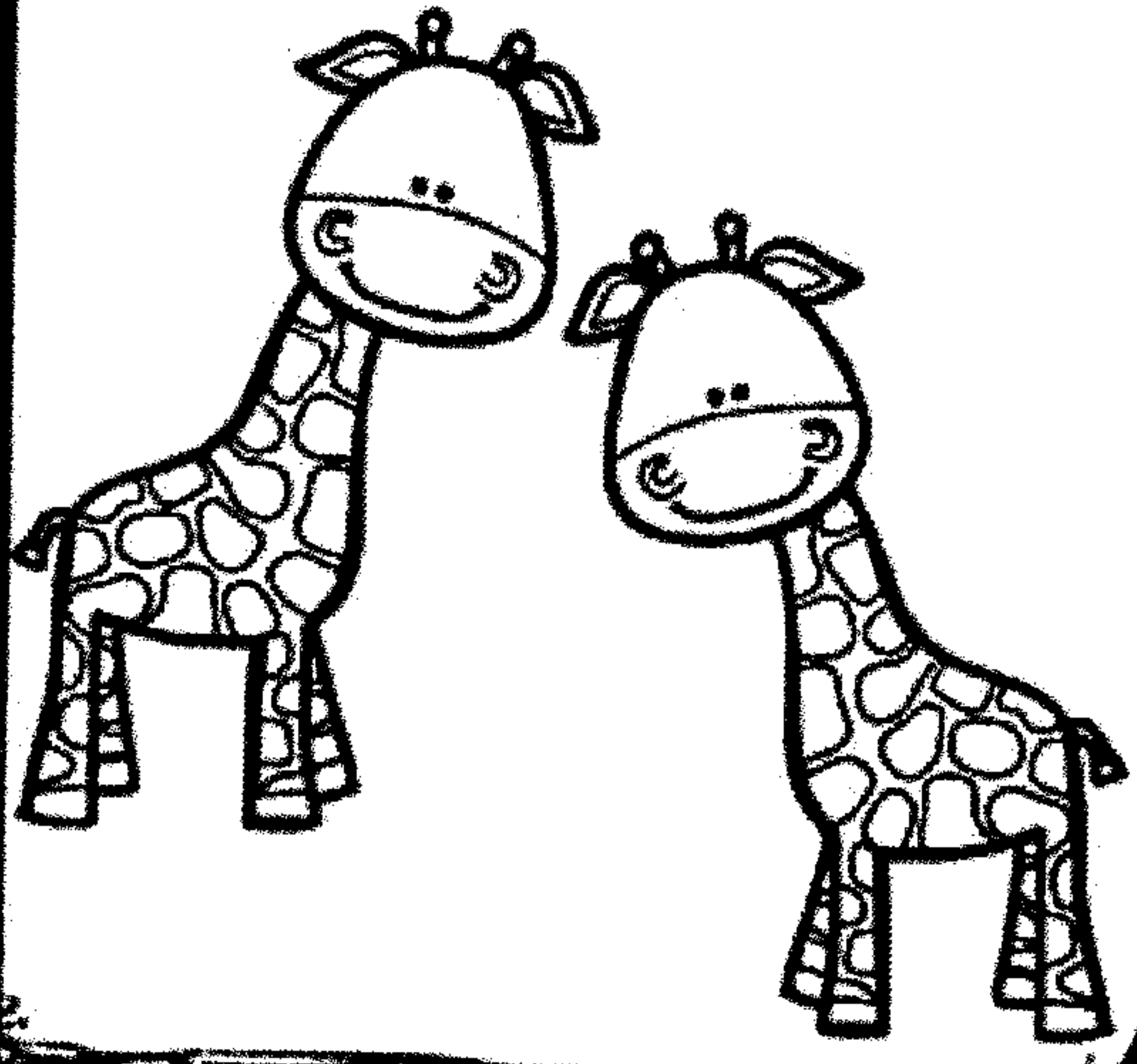
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## Doubling and Halving

### Grade 3



## What is doubling?

When we double a number, we take the exact same number and add it to itself.



For example:

Number: 10

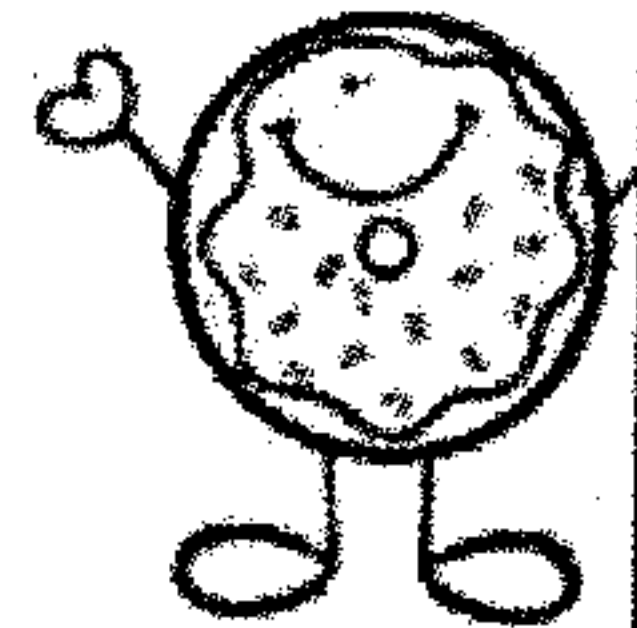
Double:  $10 + 10 = 20$

When doubling we multiply our number by 2.

For example:

Number: 10

Double:  $10 \times 2 = 20$



## What is halving?

When we divide a number equally between 2.



For example:

Number: 20

Half: 10

We must divide the number by 2.

For example:

Number: 20

Half:  $20 \div 2 = 10$



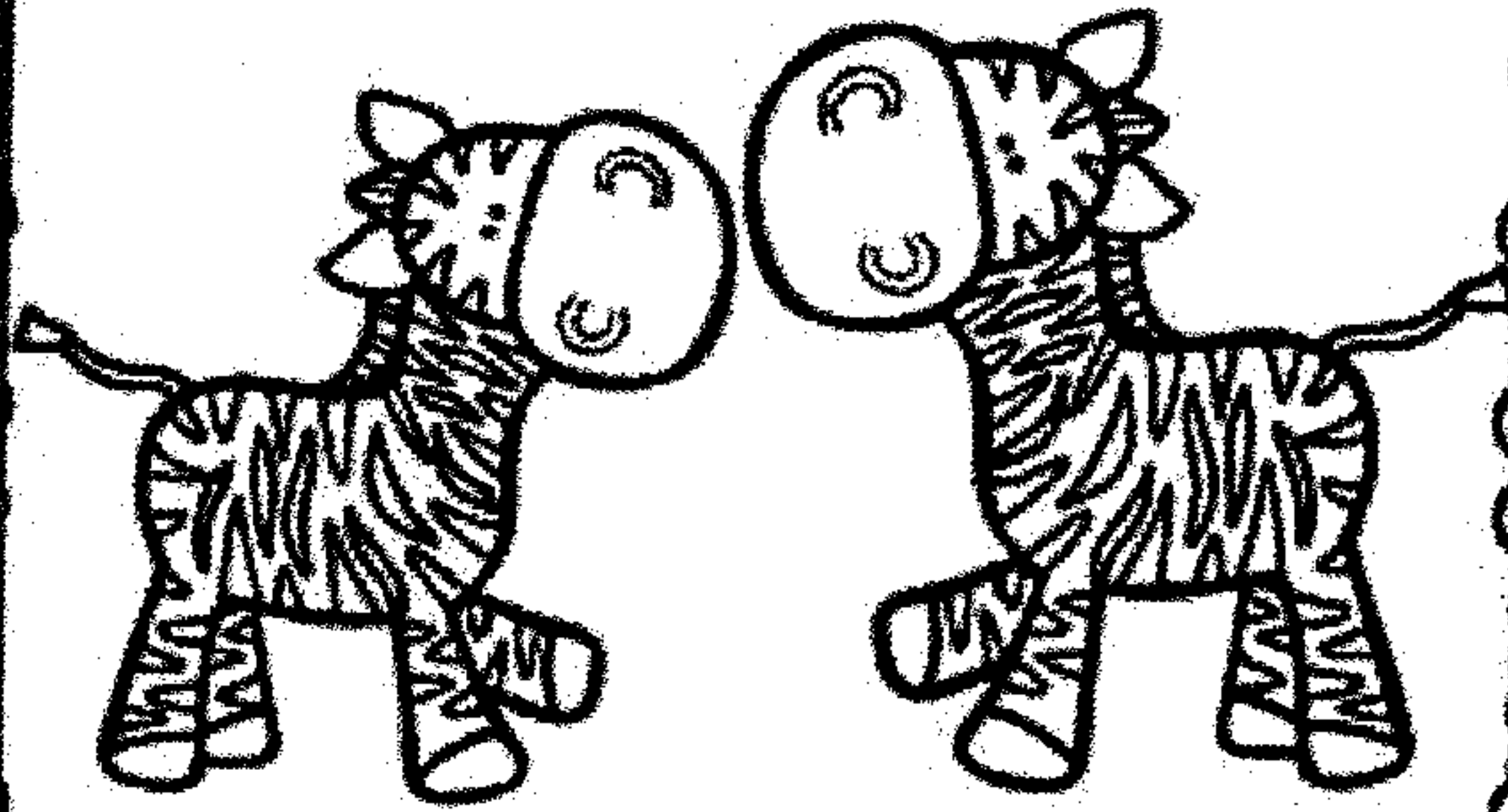
Double the following numbers in the table below:

213		82
28		90
117		45
146		39
34		230
135		160
47		52
50		150





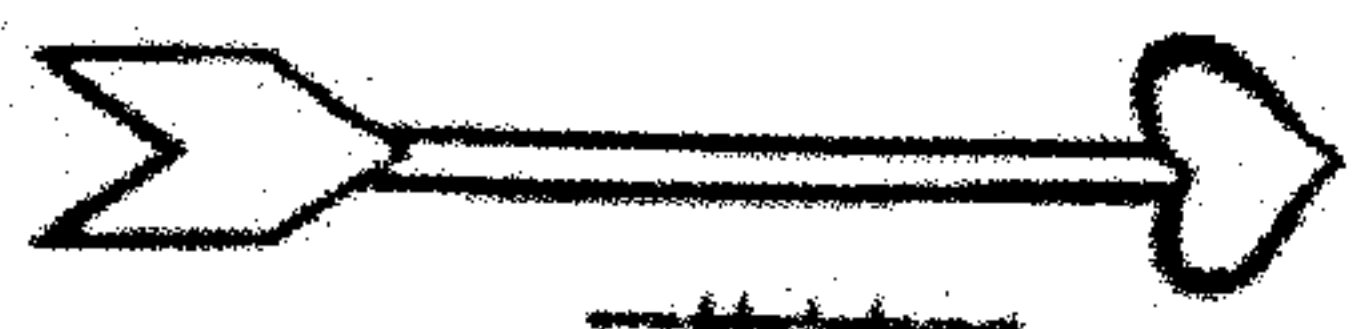
# Doubling and Halving



Name: \_\_\_\_\_

## Halve the following.

Halve the following between 2 friends.	friend 1	friend 2	How much does each friend get?
			1



## What is doubling?



When we double, you take the twin friend (exactly the same number) and you add the two numbers together.

For example:  $2 + 2 = 4$



Number	Twin number	=	Answer (number + twin number)
2	2	=	4
		=	
		=	

Complete the butterfly's wings by ensuring that both sides have the same amount of dots. How many dots are there in total?

	4 dots