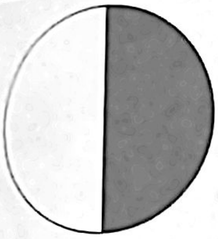
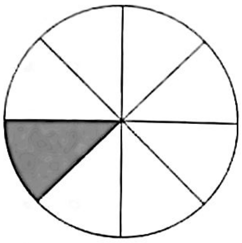
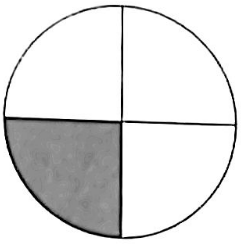
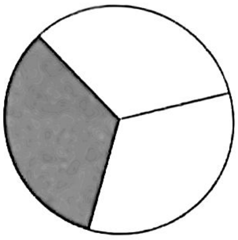
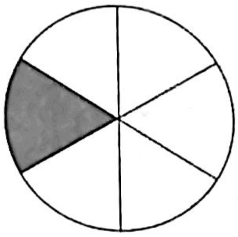
What fraction is coloured in?

What fraction is coloured in? Circle the correct answer.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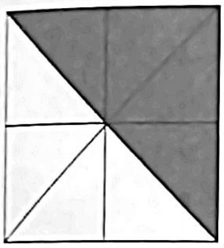	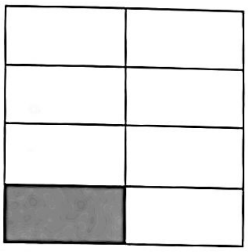	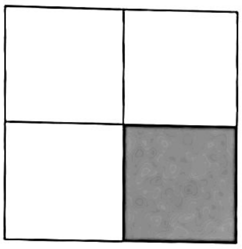	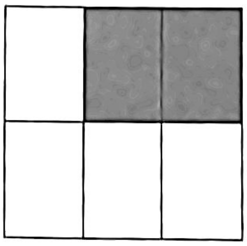	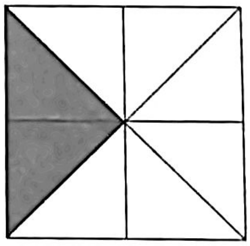
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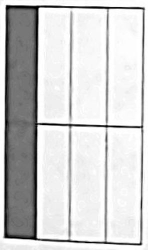	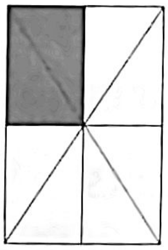	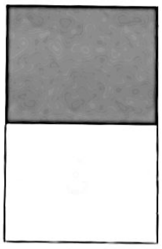	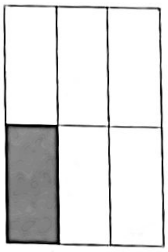	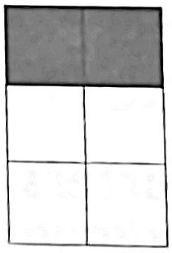
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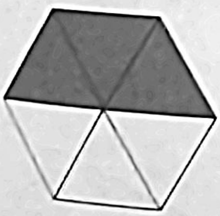
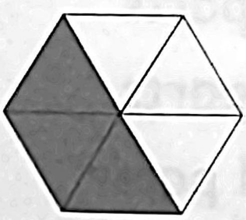
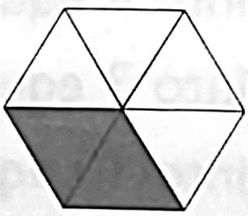
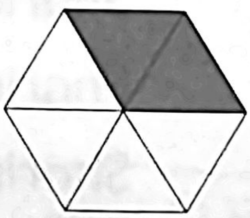
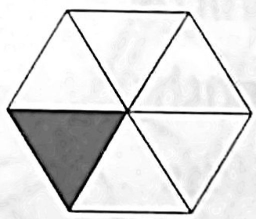
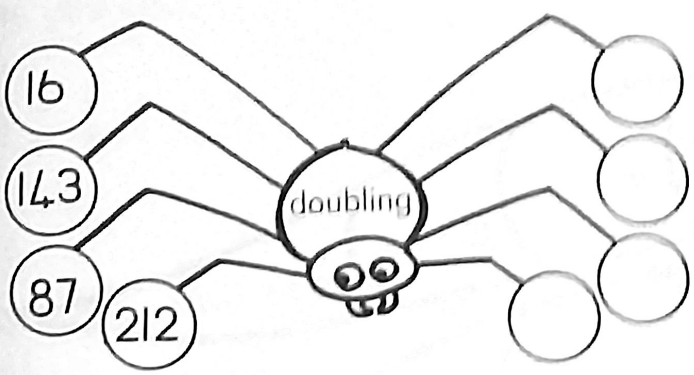
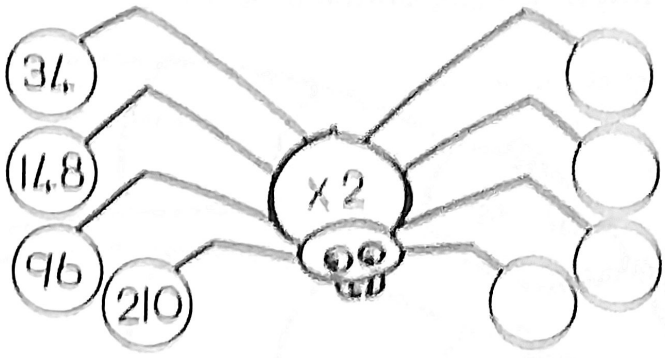
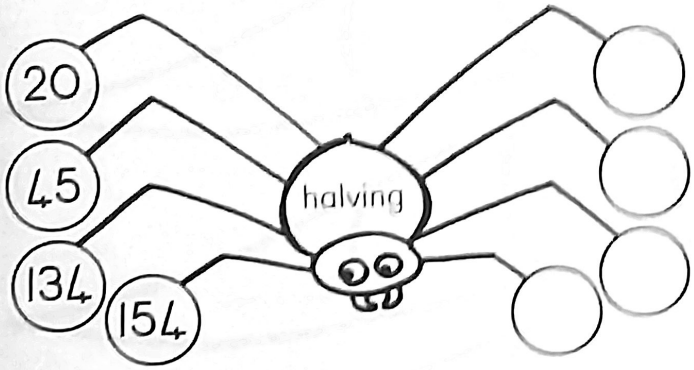
				
$\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{8}$	$\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{8}$	$\frac{1}{3}$ $\frac{1}{6}$ $\frac{1}{4}$	$\frac{1}{3}$ $\frac{1}{6}$ $\frac{1}{4}$	$\frac{1}{3}$ $\frac{1}{6}$ $\frac{1}{4}$

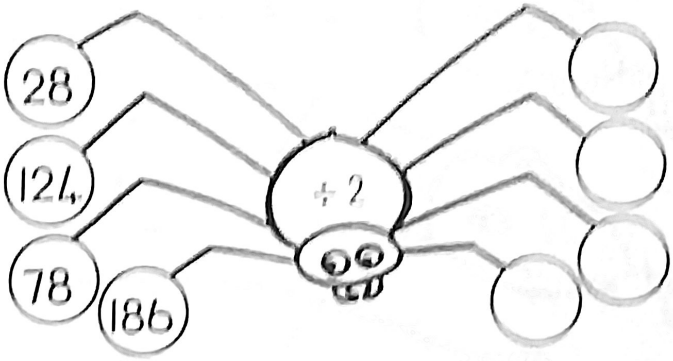
Unit 14 Activity 1

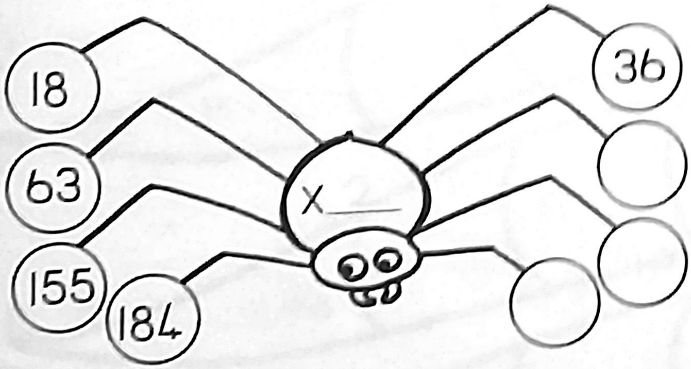
Doubling and halving

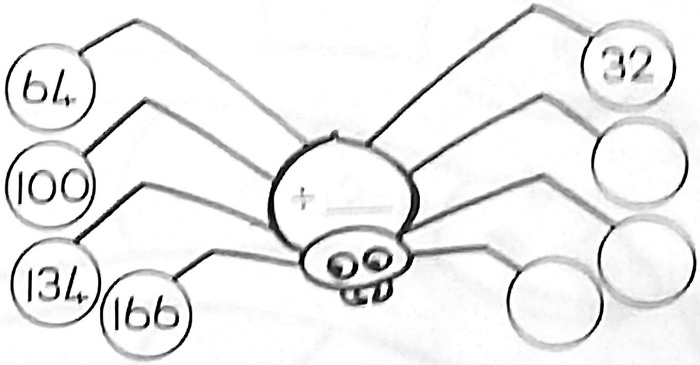












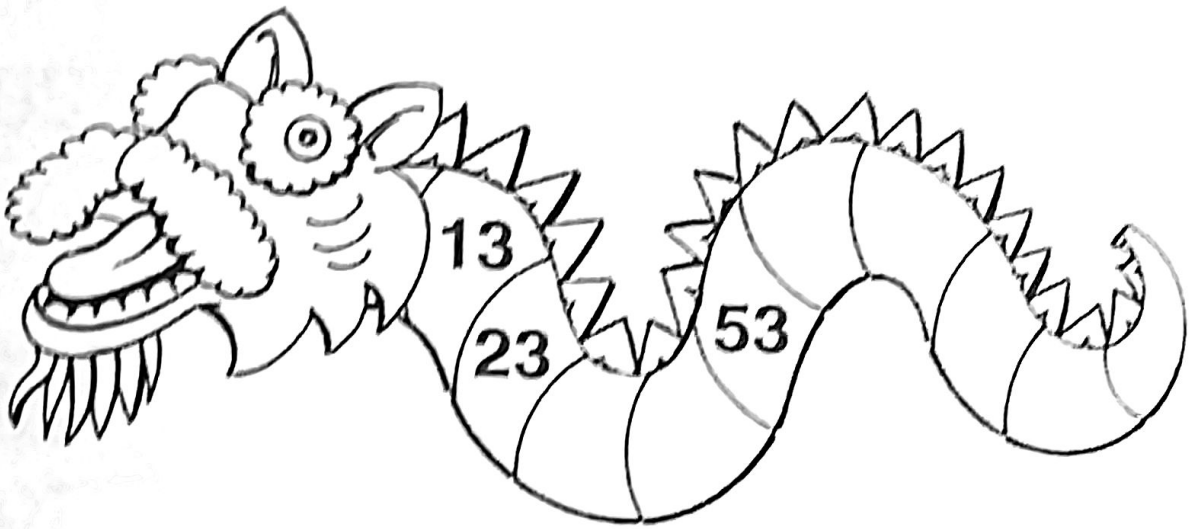
Challenge

1. If there are 25 children, how many arms are there altogether? _____
2. If there are 120 feet, how many children are there altogether? _____
3. If there are 250 eyes, how many rats are there? _____
4. If there are 84 cats, how many ears are there? _____
5. If there are 45 adults, how many hands are there? _____
6. If there are 62 legs, how many boys are there? _____

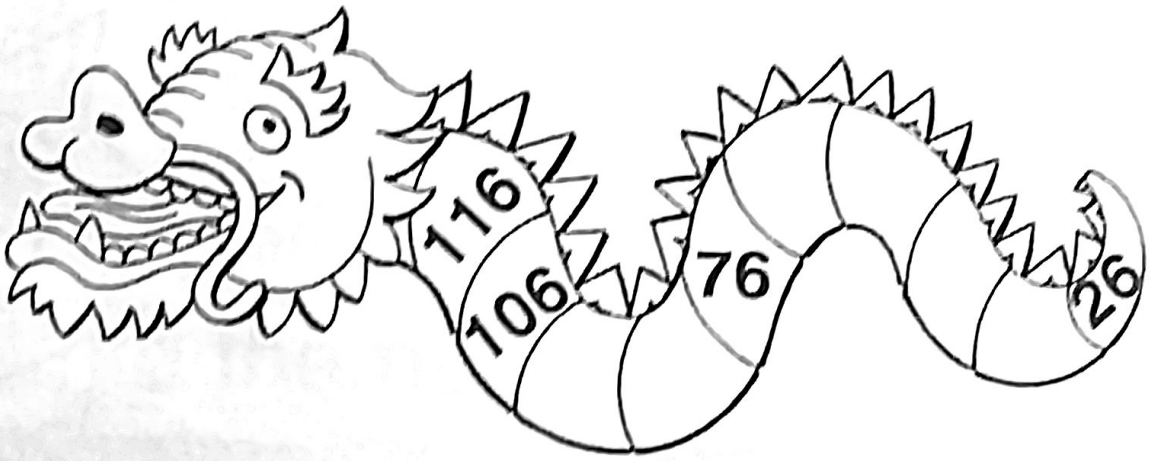
Activity 4

1. Complete the number patterns.

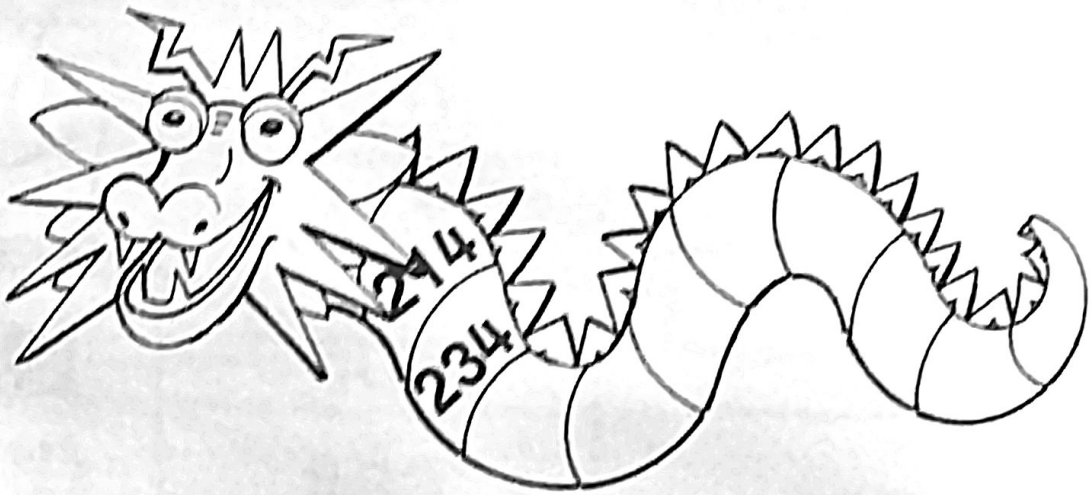
a)



c)

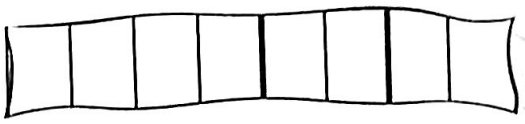


e)

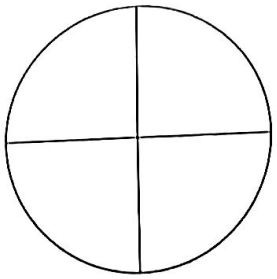


f

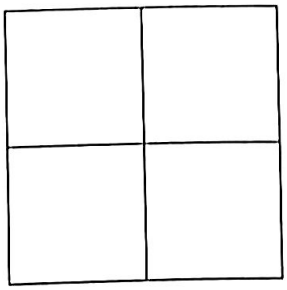
More fractions



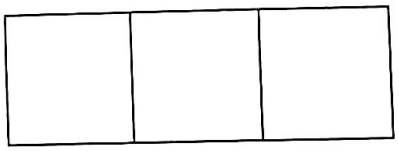
Colour in the correct portion to show the meaning of the fraction.



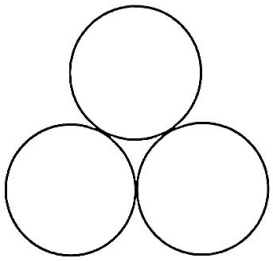
$\frac{1}{4}$



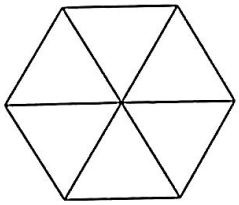
$\frac{2}{4}$



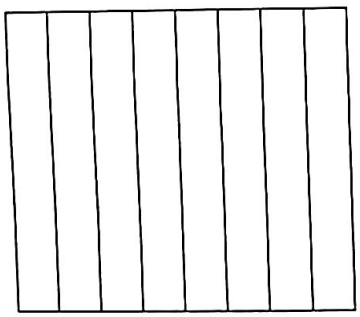
$\frac{1}{3}$



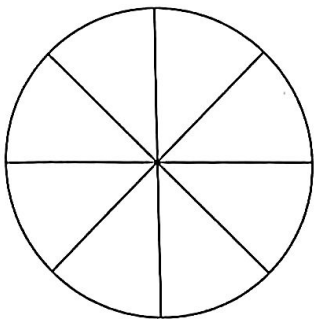
$\frac{2}{3}$



$\frac{3}{6}$

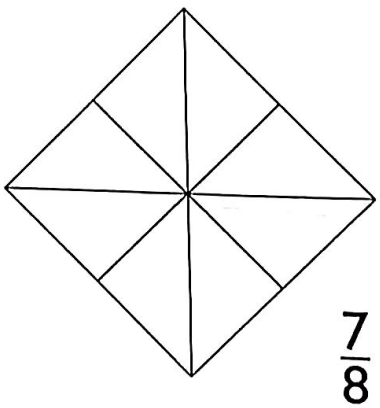


$\frac{1}{8}$

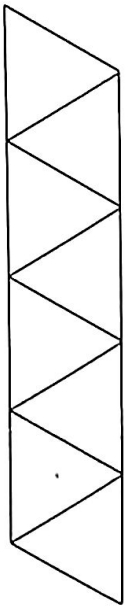


$\frac{2}{8}$

$\frac{6}{8}$



$\frac{7}{8}$

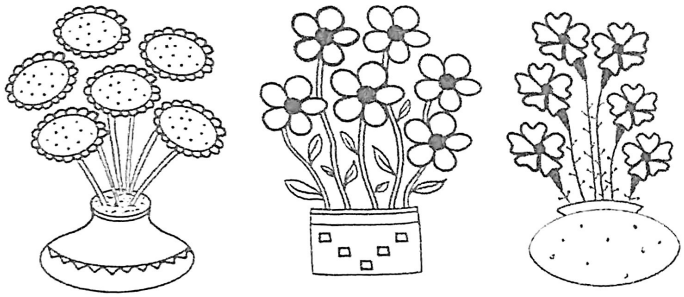


$\frac{5}{8}$

Activity 21: Multiplication as repeated addition

Example

There are three flower pots, each with six flowers in them. How many flowers are there in total?



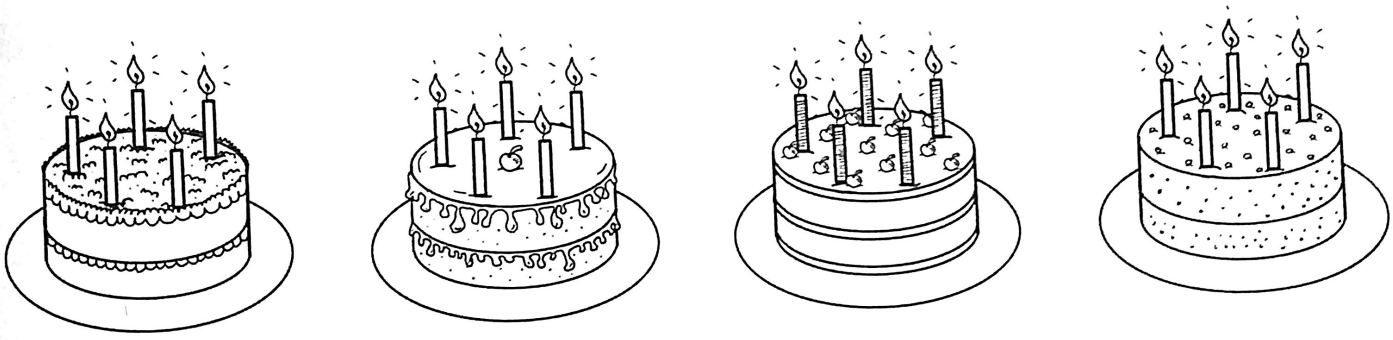
Write as addition and as multiplication.

Solution

$6 + 6 + 6 = 18$ and $6 \times 3 = 18$

Activity 21

1. There are four cakes, each with five candles.



How many candles are there in total?
Write as addition and as multiplication.

_____ and _____

2. A pool is 10 metre long.

Natalie swims seven laps. How far did Natalie swim?

_____ and _____

Date: _____

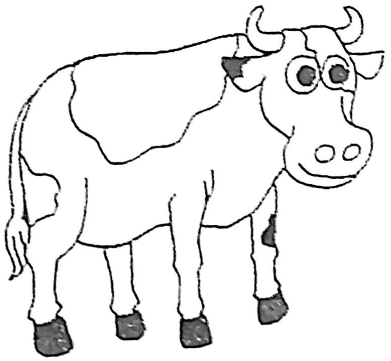
a] 2 + 2 + 2 + 2 + 2 =

b] two less than 137 = _____

13 - ___ = 12	13 - ___ = 6	13 - 6 =
___ + 9 = 13	___ + 4 = 13	___ + 10 = 13
13 - 10 =	___ + 7 = 13	13 - 13 =
13 - ___ = 0	2 + 11 =	13 - ___ = 8
13 - 7 =	___ + 13 = 13	7 + 6 =
13 - 0 =	13 - 11 =	13 - 4 =
13 - 8 =	___ + 8 = 13	___ + 7 = 13
8 + 5 =	13 - ___ = 5	13 - ___ = 2

1. Which numbers smaller than 10 begin with s? _____

_____



2. Peter arrived at 7 o'clock and left at 3 o'clock. How stayed for _____ hours.

3. 7 peaches cut in halves = _____ pieces

4. A man had 7 cows. 3 died. How many are left? _____

30

1 Word problems

Peter went shopping with 81 cents. How much did he have left after he had spent 48 cents?

Mrs. Zulu bought Ziyanda a doll for R17. She paid with two R10 notes. How much change will she get?

2 Complete the tables below.

20c coins	5	10	15	20	25	30
value						

20c coins	7	13	16	24	28	34
value						

20c coins					
value	60c	R1,20	R2,80	R1,80	R3,40

Unit 20 Ordinal numbers

MAY 2011						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 Worker's Day	2 Public holiday	3	4	5	6	7
8	9	10	11 Grade 3 Cake sale	12	13	14
15	16	17	18	19	20	21 Under 10 Rugby tournament
22	23	24 Under 10 Netball tournament	25	26	27 Grade 3 Outing to Museum	28
29 Comrades Marathon	30	31				

Answer these questions:

1. How many Sundays were there in May 2011?
2. What date is the third Thursday?
3. What was happening on the 29th of May?
4. When was the Grade 3 cake sale?
5. Why was Monday the 2nd of May a Public holiday?
6. When did the Under 10 boys need to be ready for their Rugby Tournament?
7. On what date was the Netball Tournament?
8. How many Mondays were there in May 2011?
9. What date was the fourth Friday?
10. When were the Grade 3s going to the Museum?

Write these numbers in words:

12th 22nd 31st

26th 15th

Activity 18: Subtracting three-digit numbers

Example

Calculate 546 – 384 using the vertical method.

Solution

	H	T	U
	$^{4}\cancel{5}$	$^{1}4$	6
–	3	8	4
	1	6	2

Example

Calculate 607 – 435 using the vertical method.

Solution

	H	T	U
	$^{5}\cancel{6}$	$^{1}0$	7
–	4	3	5
	1	7	2

Activity 18

1. Calculate using the vertical method.

a)

	H	T	U
	5	3	1
–	2	1	2

b)

	H	T	U
	6	7	0
–	3	4	5

c)

	H	T	U
	3	5	1
–	1	2	3

2. Selina has R750 and spent R620 on a computer game. How much money does Selina have left?

Activity 5: Numbers

Example

Write this number using number symbols.

nine hundred and nineteen

Solution

919

Example

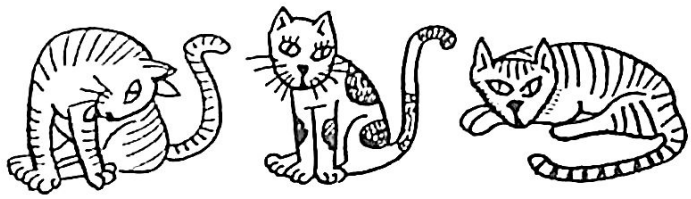
Write this number using number symbols.

nine hundred and ninety

Solution

990

Activity 5



1. Write the numbers in the clouds.

two hundred and two (202)	six hundred and eighty-one	three hundred and fifty-six	seven hundred and twenty	five hundred and seven
two hundred and five	one hundred and forty-two	four hundred and sixty-four	nine hundred and nineteen	eight hundred and twelve
one hundred and seventy-nine	nine hundred and ninety-one	one hundred and seven	two hundred and sixteen	three hundred and twelve
four hundred and fifty-five	five hundred and nineteen	six hundred and one	seven hundred and forty-five	eight hundred and thirty-six
nine hundred and twenty-three	two hundred and eighty-eight	two hundred and forty	three hundred and eight	four hundred and twelve
five hundred and sixty-three	six hundred and three	seven hundred and fifteen	eight hundred and twenty-one	nine hundred and ninety-nine
one hundred and twenty-three	two hundred and eighty-four	three hundred and seventy-one	four hundred and twenty-one	seven hundred

Activity 7: Expanded notation

Example

365	standard form
three hundred sixty-five	word form
300 + 60 + 5	expanded form

Activity 7

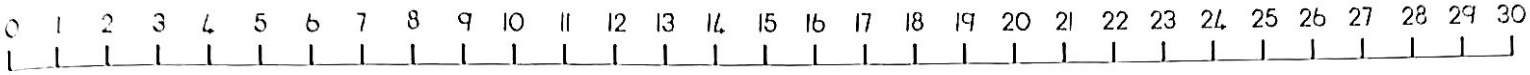
Spot the errors in the table. Tick (✔) if correct.
Cross (✘) if wrong and correct it.

	Standard form	Word form	Expanded form	✔ or ✘
a)	275	two hundred seventy-five	200 + 70 + 5	
b)	934	nine hundred thirty-four	900 + 30 + 4	
c)	768	seven hundred sixty-eight	700 + 60 + 8	
d)	158	one hundred fifty-eight	100 + 50 + 8	
e)	646	six hundred forty-eight	600 + 40 + 8	
f)	862	eight hundred sixty-two	800 + 60 + 6	
g)	420	four hundred twenty-four	400 + 20	
h)	555	five hundred fifty-five	500 + 50 + 5	
i)	404	four hundred and four	400 + 0 + 4	
j)	440	four hundred and forty	400 + 40 + 0	
k)	999	nine hundred and nineteen	900 + 90 + 9	
l)	808	eight hundred and eighty	800 + 8	

Unit 14 Activity 3

Addition

Use this number line to help you complete the number sentences as quickly as you can.



1. $30 = 18 + \_\_\_$ $30 = 15 + \_\_\_$ $30 = \_\_\_ + 10$

   $30 = 27 + \_\_\_$ $30 = 25 + \_\_\_$ $30 = 21 + \_\_\_$

2. $\_\_\_ + 8 = 29$ $29 + \_\_\_ = 29$ $10 + \_\_\_ = 29$

   $20 + \_\_\_ = 29$ $15 + \_\_\_ = 29$ $11 + \_\_\_ = 29$

3. $10 + \_\_\_ = 15$ $\_\_\_ + 8 = 15$ $15 = 9 + \_\_\_$

   $15 = \_\_\_ + 11$ $13 + \_\_\_ = 15$ $\_\_\_ + 2 = 15$

4. $18 + \_\_\_ = 18$ $\_\_\_ + 9 = 18$ $12 + \_\_\_ = 18$

   $18 = 5 + \_\_\_$ $15 + \_\_\_ = 18$ $18 = 14 + \_\_\_$

5. $10 + \_\_\_ = 14$ $\_\_\_ + 2 = 14$ $7 + \_\_\_ = 14$

   $14 = \_\_\_ + 6$ $13 + \_\_\_ = 14$ $14 = \_\_\_ + 5$