



# MATHEMATICS



**N.S. Yr. 2 P.67**

**Solve simple word problems and  
explain how problems were solved**

## Equipment

Paper, pencil, ruler

# MathSphere

© MathSphere P.O. Box 1234 Worthing BN13 2UJ [www.mathsphere.co.uk](http://www.mathsphere.co.uk)

## **Concepts**

This module continues to develop the children's ability to solve simple word problems.

One step problems develop, using simple multiplication and division, as well as addition and subtraction, doubling and halving.

As children gain in confidence more complex two step problems can be introduced – questions where two calculations have to be completed, using any of the three rules above. Once again, most children do find these harder.

An important part of this work is for children to be given the opportunity to explain orally how they went about the task .

One step operations

I'm thinking of a number.  
I halve it.  
The answer is 7.  
What was my number?

I'm thinking of a number.  
I double it.  
The answer is 18.  
What was my number?



I'm thinking of a number.  
I halve it.  
The answer is 8.  
What was my number?

I'm thinking of a number.  
I double it.  
The answer is 12.  
What was my number?



One step operations

I'm thinking of a number.  
I add 7.  
The answer is 15.  
What was my number?

I'm thinking of a number.  
I add 8.  
The answer is 14.  
What was my number?



I'm thinking of a number.  
I add 5.  
The answer is 11.  
What was my number?

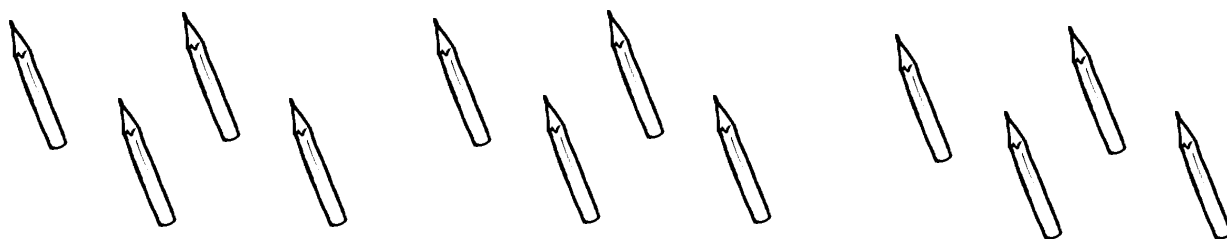
I'm thinking of a number.  
I add 9.  
The answer is 15.  
What was my number?



One step operations

1. Mum shares 12 apples between 4 children.

How many apples do they each get?



2. Sam had 12 crayons. He put them in three equal piles.

How many crayons were in each pile?



3. Dad made 10 pieces of toast to share between his 5 children.

How many pieces of toast did each child get?

**One step operations**

1. Dan, Sam and Amit each have four sweets.

How many sweets have they got altogether?



2. Suzi, Al and Tara each knocked down ten skittles.

How many skittles did they knock down altogether?



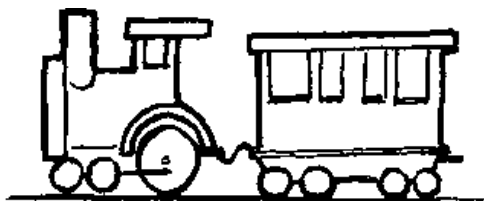
3. 5 boys each had 3 toy cars.

How many cars did they have altogether?

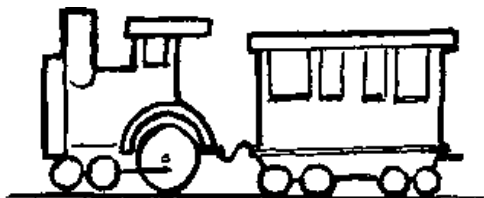


4. 10 children each made 6 cakes for the cake sale.

How many cakes did they make altogether?

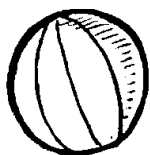
Two step problems

1. 6 people are on a train.  
5 more get on and 3 get off.  
How many are on the train now?
2. 10 people are on a train.  
7 more get on and 5 get off.  
How many are on the train now?
3. A train with 40 seats is full.  
20 people get off and 9 get on.  
How many empty seats are there?
4. Half the seats on a train  
with 50 seats are taken.  
How many seats are empty?
5. 30 children are on a train.  
10 get off and 30 get on.  
How many are on the train now?

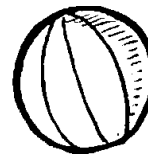
Two step problems

1. 8 people are on a train.  
4 more get on and 6 get off.  
How many are on the train now?
2. 10 people are on a train.  
9 more get on and 2 get off.  
How many are on the train now?
3. A train with 50 seats is full.  
30 people get off and 8 get on.  
How many empty seats are there?
4. Half the seats on a train  
with 70 seats are taken.  
How many seats are empty?
5. 40 children are on a train.  
30 get off and 20 get on.  
How many are on the train now?



**Problems in words**

Red	8
Blue	10
Green	6
Yellow	8



Class 2W went out to play. They took a basket of balls with them.

1. How many red and blue balls are there altogether?

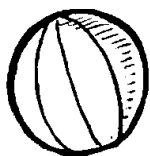
2. How many more blue and red balls are there than green and yellow?

3. Tara took 4 red balls and 8 blue balls.  
How many red and blue balls were left, altogether?

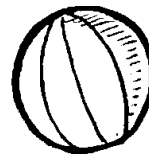
4. Carla took all the green balls and 4 of the yellow balls.  
How many did she take altogether?

5. Tom took half the red balls and half the yellow balls.  
How many did he take altogether?

6. Two balls were lost.  
How many were there left altogether?

Problems in words

Red	5
Blue	9
Green	7
Yellow	10



Class 2B went out to play. They took a basket of balls with them.

1. How many red and green balls are there altogether?

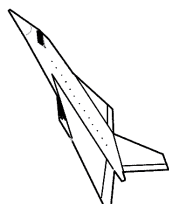
2. How many more yellow and blue balls are there than green and red?

3. Rachel took 3 red balls and 7 yellow balls.  
How many red and yellow balls were left, altogether?

4. Pete took all the blue balls and 5 of the green balls.  
How many did he take altogether?

5. Tom took half the yellow balls and all the red balls.  
How many did he take altogether?

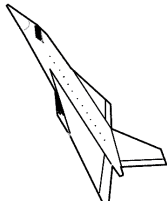
6. Four balls were lost.  
How many were there left altogether?



### Flights around the world



1. 200 people were on the plane when it landed at New York.  
100 people got off and 400 got on.  
How many were now on the plane?
2. 300 people were on the plane when it took off from Gatwick.  
50 got off at Paris and 100 got off at Rome.  
How many were now on the plane?
3. The plane has 800 seats.  
It was half full when it went to Hong Kong.  
How many seats were empty?
4. On the flight to Rome there were 150 children  
Each child had two bags.  
How many bags were there altogether?
5. Only half the passengers wanted their meal.  
If there were 300 passengers how many wanted a meal?
6. The plane had 250 people on board.  
Each person had two drinks.  
How many drinks did they have altogether?

**Flights around the world**

1. 300 people were on the plane when it landed at Gatwick.  
200 people got off and 400 got on.  
How many were now on the plane?
2. 200 people were on the plane when it took off from London.  
50 got off at Paris and 150 got off at Rome.  
How many were now on the plane?
3. The plane has 600 seats.  
It was half full when it went to Madrid.  
How many seats were empty?
4. On the flight to Florida there were 70 children.  
Each child had two cases.  
How many cases were there altogether?
5. Only half the passengers wanted their meal.  
If there were 500 passengers how many wanted a meal?
6. The plane had 150 people on board.  
Each person had two cups of tea.  
How many cups of tea did they have altogether?

**Ten Pin Bowling**

**Joe and his mates went ten pin bowling. These were their final scores:**



<b>Joe</b>	<b>30</b>
<b>Ali</b>	<b>70</b>
<b>Helen</b>	<b>40</b>
<b>Nina</b>	<b>50</b>
<b>Sam</b>	<b>60</b>



1. What was the total score for Joe and Ali?
2. How many more did Sam get than Helen?
3. What was the total score for Nina and Sam?
4. How many more did Nina score than Joe?
5. Helen played again and doubled her score.  
What score did she get in her second game?
6. Joe played again and scored 20 more.  
What score did he get in his second game?
7. Sam was hoping to score 100. How far short was he?

**Answers**

<b>Page 3</b>						
1. 14	2. 9	3. 16	4. 6			
<b>Page 4</b>						
1. 8	2. 6	3. 6	4. 6			
<b>Page 5</b>						
1. 3	2. 4	3. 2				
<b>Page 6</b>						
1. 12	2. 30	3. 15	4. 60			
<b>Page 7</b>						
1. 8	2. 12	3. 11	4. 25	5. 50		
<b>Page 8</b>						
1. 6	2. 17	3. 22	4. 35	5. 30		
<b>Page 9</b>						
1. 18	2. 4	3. 6	4. 10	5. 8	6. 30	
<b>Page 10</b>						
1. 12	2. 7	3. 5	4. 14	5. 10	6. 27	
<b>Page 11</b>						
1. 500	2. 150	3. 400	4. 300	5. 150	6. 500	
<b>Page 12</b>						
1. 500	2. 0	3. 300	4. 140	5. 250	6. 300	
<b>Page 13</b>						
1. 100	2. 20	3. 110	4. 20	5. 80	6. 50	7. 40