



MATHEMATICS



N.S. Yr. 2 P.61

**Choose and use appropriate number
operations to solve problems**

Equipment

Paper, pencil, ruler

MathSphere

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Concepts

This module is concerned with children choosing and using the most appropriate number operations to answer questions and solve problems. As such, other modules following this, on real life problems, money problems and measure and time, are where the examples of work are to be found.

In this module we concentrate on making number stories up from given maths statements, using all four rules.

Most of the time these activities can arise easily from practical work and everyday situations and should be answered orally.

Children should be able to write simple number stories corresponding to the sums.

Also included in this module is a section where a sign has been omitted or replaced by a $*$. This again makes children think what is happening in the sum and is a good introduction into algebra.

Making number stories - addition



These are the pages where I give you the sum and you tell me a story about it.
This is my story: $12 + 15 = 27$

Jo rolled three dice and scored 12.
Jim rolled three dice and scored 15.
Together they scored 27.

Try these:

1. $13 + 9 = 22$

2. $15 + 5 = 20$

Making number stories - addition



These are the pages where I give you the sum and you tell me a story about it.

This is my story: $14 + 12 = 26$

Pete got 14 team points last week and 12 points this week.

He got 26 points altogether.

Try these:

1. $15 + 11 = 26$

2. $13 + 13 = 26$

Making number stories - subtraction



This is my story: $14 - 12 = 2$

There were 14 chocolate biscuits in a tin.
I ate 12 of them and felt ill!
There were only two left.

Try these:

1. $15 - 11 = 4$

2. $16 - 12 = 4$

Making number stories - subtraction



This is my story: $12 - 5 = 7$

I had 12 gobstoppers in a bag.

I ate 5 of them.

I had 7 left.

Try these:

1. $17 - 11 = 6$

2. $15 - 13 = 2$

Making number stories - multiplication



This is my story: $5 \times 2 = 10$

5 children each had 2 soft, furry rabbits as pets.

They had 10 soft, furry rabbits between them.

Try these:

1. $4 \times 2 = 8$

2. $10 \times 3 = 30$

Making number stories - multiplication



This is my story: $10 \times 3 = 30$

Tom, Tim and Tammy each got 10 gold stars for hard work last week.

Altogether they got 30 gold stars.



Try these:

1. $10 \times 2 = 20$

2. $5 \times 3 = 15$

Making number stories - division



This is my story: $20 \div 5 = 4$

Mum shared 20 chews between 5 children.
They each got 4 chews.

Try these:

1. $10 \div 2 = 5$

2. $30 \div 3 = 10$

Making number stories - division



This is my story: $60 \div 10 = 6$

There were 60 marbles in a jar. Jo shared them between 10 children. They each got 6 marbles.

Try these:

1. $50 \div 5 = 10$

2. $30 \div 5 = 6$

What sign?

Hi! These are a bit different!
All the numbers are there, but the
signs are missing.
Can you work out what the signs
should be?



1. $13 \square 14 = 27$

2. $12 \square 18 = 30$

3. $21 \square 10 = 11$

4. $15 \square 8 = 7$

5. $4 \square 5 = 20$

6. $10 \square 4 = 40$

7. $20 \square 5 = 4$

8. $10 \square 5 = 2$

9. $3 \square 10 = 30$

10. $17 \square 9 = 8$

11. $11 \square 9 = 20$

12. $13 \square 0 = 13$

What sign?

Some more of these strange sums
– loads of numbers, but the signs
are missing.

Can you work out what the signs
should be?



1. $15 \square 13 = 28$

2. $17 \square 13 = 30$

3. $20 \square 14 = 6$

4. $13 \square 7 = 6$

5. $5 \square 3 = 15$

6. $10 \square 9 = 90$

7. $30 \square 5 = 6$

8. $80 \square 10 = 8$

9. $5 \square 5 = 25$

10. $13 \square 9 = 4$

11. $14 \square 16 = 30$

12. $10 \square 0 = 0$

What sign?

Now, on these the sign has been replaced with a big *.

Can you work out what sign the * should be?



Write the sum out next to it, replacing the *

1. $15 * 6 = 21$ _____

2. $10 * 9 = 90$ _____

3. $15 * 5 = 3$ _____

4. $20 * 4 = 5$ _____

5. $35 * 7 = 5$ _____

6. $24 * 2 = 48$ _____

7. $4 * 6 = 24$ _____

8. $25 * 6 = 31$ _____

9. $19 * 9 = 28$ _____

What sign?



On each of these sums a sign has been replaced with a *

Can you work out what sign the * should be?

Write the sum out next to it, replacing the *

1. $15 * 6 = 9$ _____

2. $10 * 7 = 70$ _____

3. $45 * 5 = 9$ _____

4. $24 * 4 = 6$ _____

5. $70 * 7 = 10$ _____

6. $63 * 5 = 58$ _____

7. $9 * 5 = 45$ _____

8. $32 * 9 = 41$ _____

9. $17 * 9 = 8$ _____

Answers

Page 11

1. + 2. + 3. - 4. - 5. x 6. x 7. ÷ 8. ÷ 9. x 10. - 11. + 12. +

Page 12

1. + 2. + 3. - 4. - 5. x 6. x 7. ÷ 8. ÷ 9. x 10. - 11. + 12. +

Page 13

1. + 2. x 3. ÷ 4. ÷ 5. ÷ 6. x 7. x 8. + 9. +

Page 14

1. - 2. x 3. ÷ 4. ÷ 5. ÷ 6. - 7. x 8. + 9. -