



MATHEMATICS



N.S. Yr. 1 P.34

**Add or subtract 9
Use patterns**

Equipment

Paper, pencil, ruler

MathSphere

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Concepts

This module should not be covered until p1038 – add ten to a single digit number and subtract ten from a teens number – has been covered.

Once adding ten has been securely grasped adding nine can be tackled. The best way to do this mentally is to add ten and then subtract one from the answer.

Whilst this is the usual way, sometimes other methods are equally good – for example adding 9 to 9 is a double, which is a fact the children should eventually know off by heart.

To subtract nine from a teens number the easiest way is to subtract ten and then add one to the answer.

Adding nine

This is a really cool way of adding 9 in your head. It makes life so easy!

Follow these steps to add nine in your head.

Step 1: add ten to your number

Step 2: subtract one from the answer you get.

Try it:

1. $5 + 9 =$

2. $4 + 9 =$

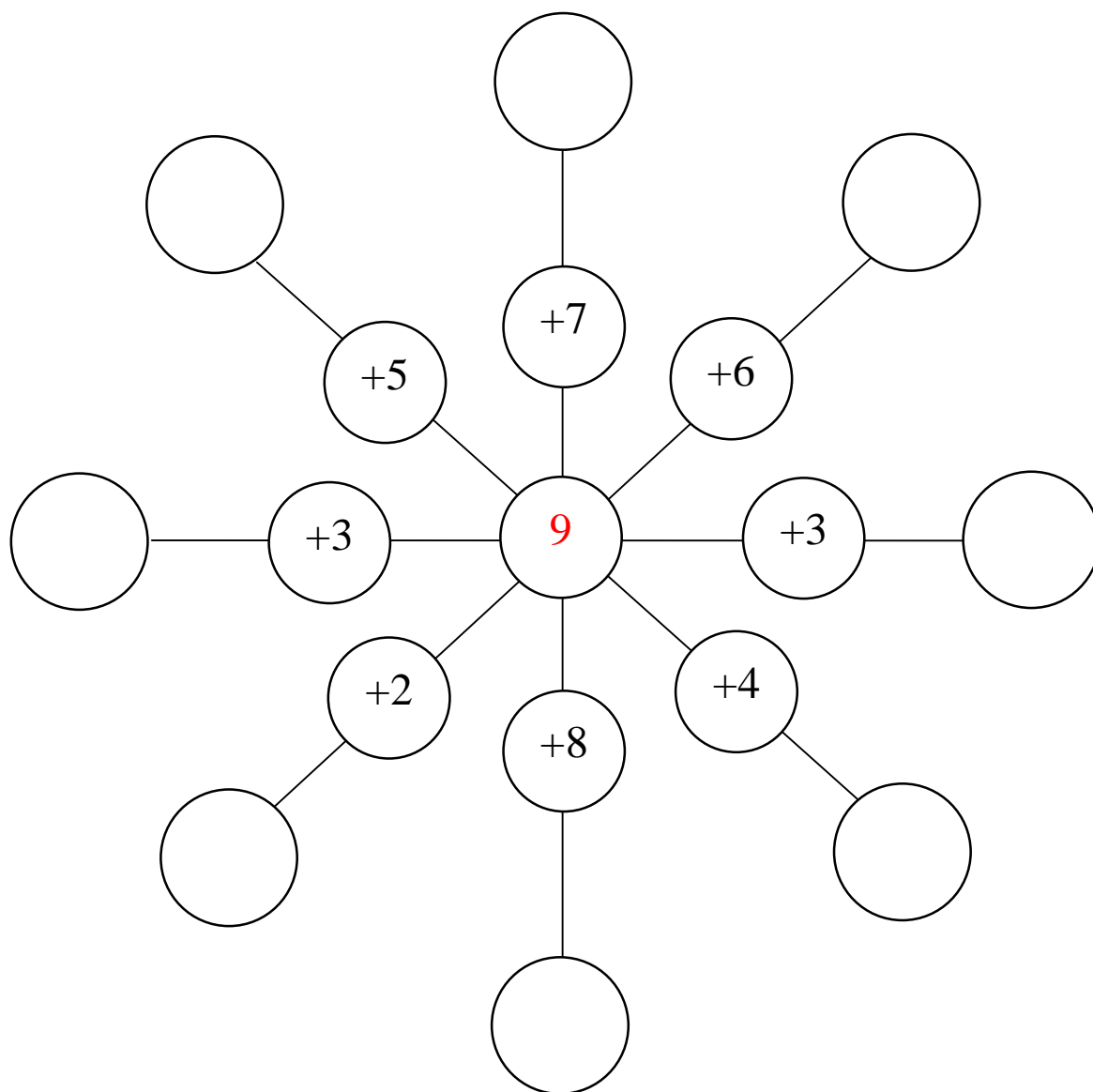
3. $2 + 9 =$

4. $6 + 9 =$

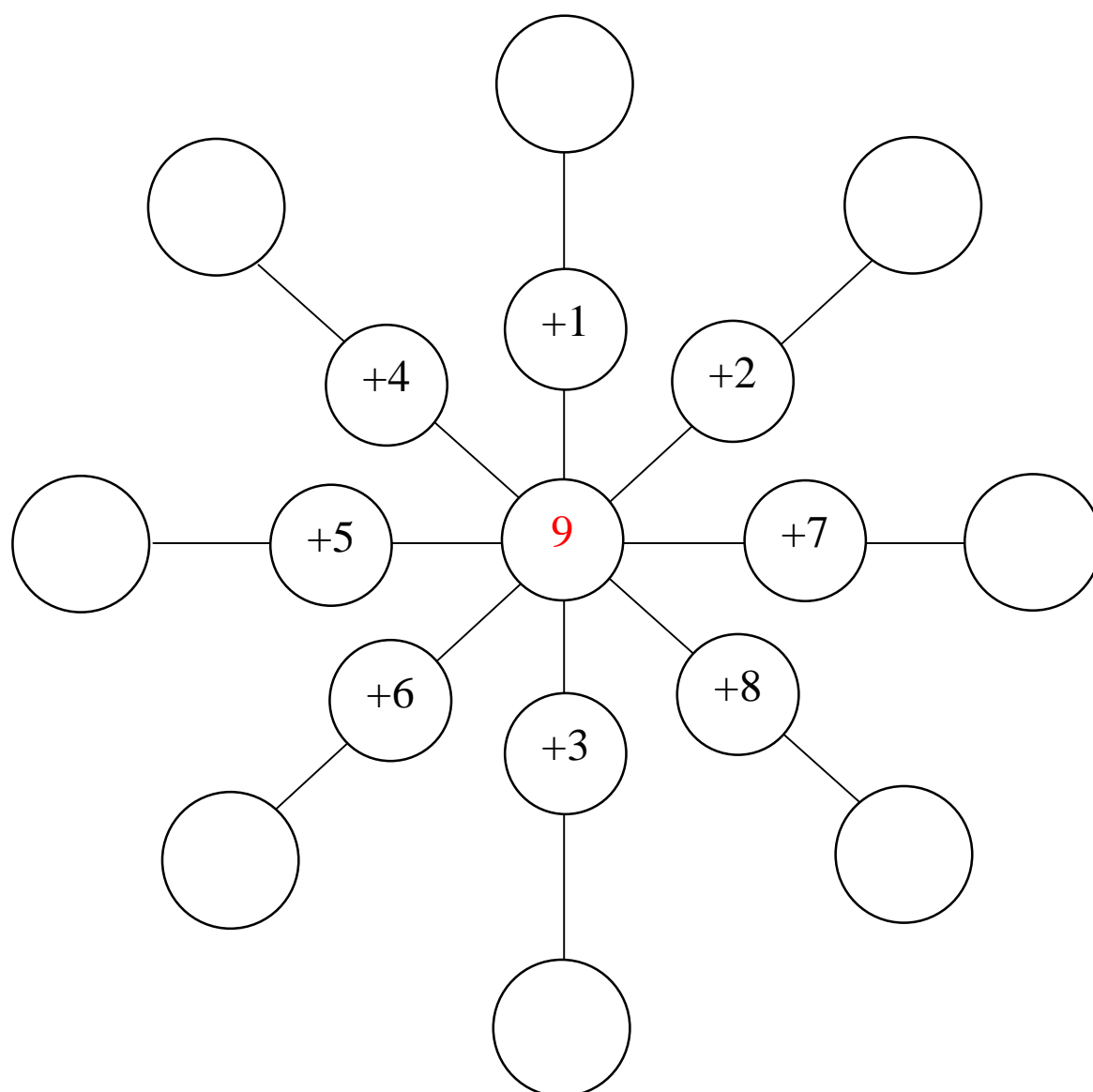
5. $3 + 9 =$

6. $8 + 9 =$

Add these numbers to nine



Add nine



Add nine

Join the sum to the correct answer – I've done the first one for you!



1. $4 + 9 =$

16

2. $2 + 9 =$

13

3. $6 + 9 =$

14

4. $3 + 9 =$

11

5. $7 + 9 =$

15

6. $5 + 9 =$

12

Add nine

Join the sum to the correct answer – they are all ‘add 9’



1. $3 + 9 =$

14

2. $6 + 9 =$

15

3. $5 + 9 =$

12

4. $8 + 9 =$

13

5. $7 + 9 =$

17

6. $4 + 9 =$

16

Add 9

Join the sums to
the correct ratties.

$3 + 9$

$4 + 9$

$6 + 9$

$5 + 9$

$8 + 9$

$7 + 9$



13



12



15



14



16



17

Add 9

Join the sums to
the correct ratties.

$2 + 9$

$9 + 9$

$1 + 9$

$6 + 9$

$4 + 9$

$8 + 9$



18



15



11



17



13



10

Subtracting nine

Make life easy
by subtracting 9
this way!

Follow these steps to subtract nine in your head.

Step 1: subtract 10 from your number.

Step 2: add 1 to the answer you get.

Try it:

1. $14 - 9 =$

2. $16 - 9 =$

3. $13 - 9 =$

4. $11 - 9 =$

5. $18 - 9 =$

6. $15 - 9 =$

Subtract nine

Join the sum to the correct answer – I've done the first one for you!



1. $13 - 9 =$

6

2. $11 - 9 =$

4

3. $15 - 9 =$

2

4. $12 - 9 =$

7

5. $16 - 9 =$

5

6. $14 - 9 =$

3

Subtract nine

Join the sum to the correct answer – they are all ‘take 9’



1. $16 - 9 =$

10

2. $10 - 9 =$

5

3. $19 - 9 =$

1

4. $17 - 9 =$

9

5. $14 - 9 =$

7

6. $18 - 9 =$

8

Subtract 9

Join the sums to
the correct ratties.

$14 - 9$

$18 - 9$

$12 - 9$

$17 - 9$

$15 - 9$

$11 - 9$



2



3



6



9



5



8

Subtract 9

Join the sums to
the correct ratties.

$14 - 9$

$16 - 9$

$12 - 9$

$13 - 9$

$10 - 9$

$18 - 9$



9

5

7

4

1

3

Adding and subtracting 9

Try these:

1. $4 + 9 =$

2. $13 - 9 =$

3. $9 + 7 =$

4. $5 + 9 =$

6. $18 - 9 =$

8. $16 - 9 =$

10. $14 - 9 =$



Be careful – some of these are add 9 and some are subtract 9. Don't get mixed up!

5. $15 - 9 =$

7. $9 + 6 =$

9. $9 + 9 =$

Easy eh!



Adding and subtracting 9

Try these:

1. $6 + 9 =$

2. $11 - 9 =$

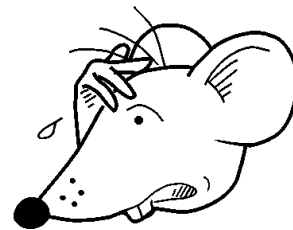
3. $9 + 2 =$

4. $8 + 9 =$

6. $12 - 9 =$

8. $18 - 9 =$

10. $15 - 9 =$



Take care – some of these are
add 9 and some are subtract 9.
Don't get mixed up!

5. $17 - 9 =$

7. $9 + 3 =$

9. $9 + 5 =$

Even
easier!



Use patterns

Complete this pattern.

$10 - 0 =$

$10 - 1 =$

$10 - 2 =$

$10 - 3 =$

$10 - 4 =$

$10 - 5 =$

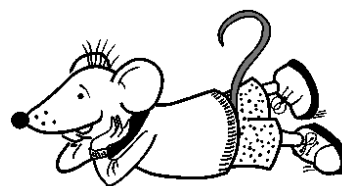
$10 - 6 =$

$10 - 7 =$

$10 - 8 =$

$10 - 9 =$

$10 - 10 =$



What do you notice about the answers?

Sevens

$$7 + 0 = 7$$

$$7 + 1 = \square$$

$$7 + 2 = \square$$

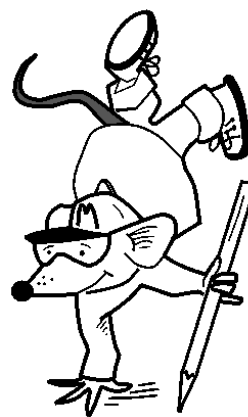
$$7 + \square = \square$$

$$\square + 4 = \square$$

$$\square + \square = \square$$

$$\square + \square = \square$$

$$\square + \square = 14$$



Can you fill in
all the missing
numbers in this
pattern?

What is happening to the numbers?

Eights

$$8 + 0 = 8$$

$$8 + 1 = \square$$

$$\square + 2 = \square$$

$$8 + \square = \square$$

$$\square + 4 = \square$$

$$\square + 5 = \square$$

$$\square + \square = \square$$

$$\square + \square = \square$$

$$\square + \square = 16$$



Can you fill in
all the missing
numbers in this
pattern?

What is happening to the numbers?

Nines

$$9 + 0 = 9$$

$$9 + 1 = \square$$

$$9 + 2 = \square$$

$$9 + \square = \square$$

$$\square + 4 = \square$$

$$\square + 5 = \square$$

$$\square + \square = \square$$

$$9 + \square = \square$$

$$\square + \square = \square$$

$$\square + \square = 18$$



Can you fill in
all the missing
numbers in this
pattern?

What is
happening to the
numbers?