

# MATHEMATICS



**N.S. Yr. 2 P.27**

**Understand that more than two numbers  
can be added together.**

## Equipment

Paper, pencil.  
Number line.

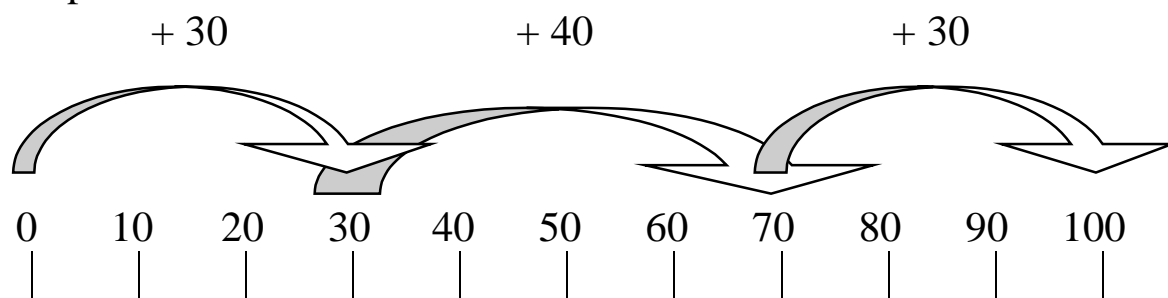
# MathSphere

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### Concepts

In year 1 children will meet addition of three numbers totalling upto 10. In year 2 the totals will increase up to 100, when using apparatus. At first totals up to 20 can be explored and later whole tens up to 100 as shown in the diagram below.

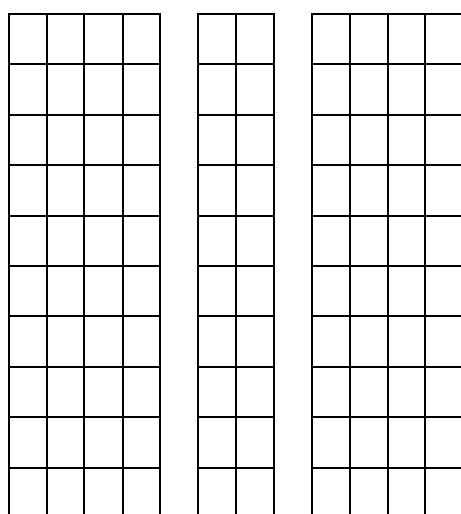
For example:



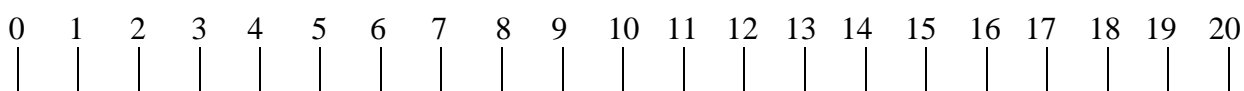
$$30 + 40 + 30 = 100$$


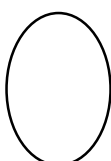
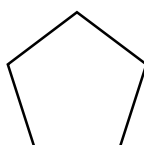
Other very useful ways include using bricks or unifix and finding three sets of rods or sets of ten which make 100

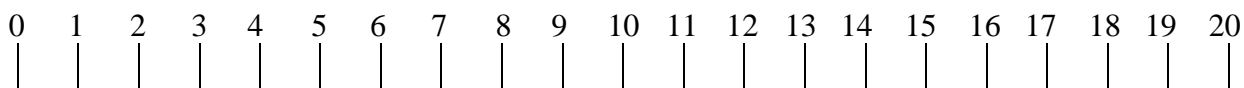
eg 4 ten rods + 2 ten rods + 4 ten rods

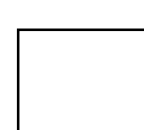

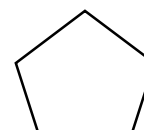


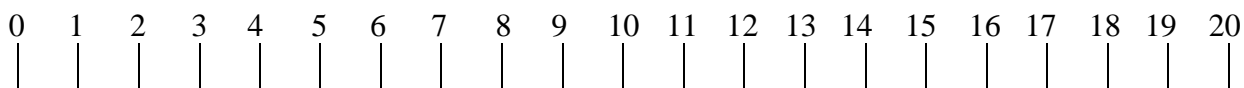
$$40 + 20 + 40 = 100$$

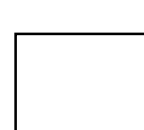

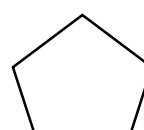
**Three hops to twenty****Take 3 hops along these number lines to make 20.****1.**

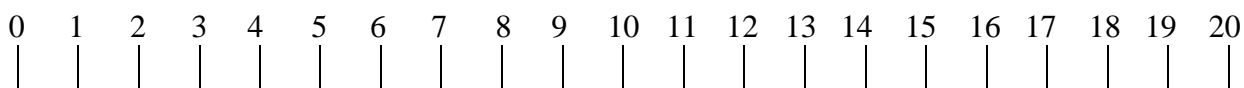
 $+$  $+$  $=$  **20**

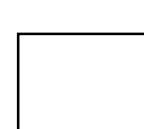

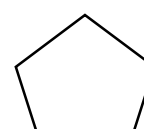
**2.**

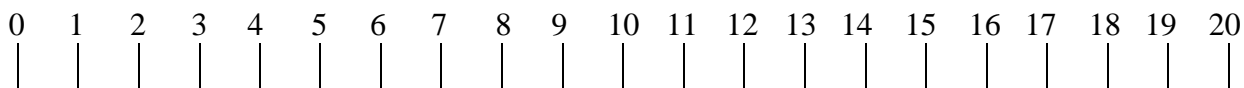
 $+$  $+$  $=$  **20**

**3.**

 $+$  $+$  $=$  **20**

**4.**

 $+$  $+$  $=$  **20**

**How many ways?****How many ways can you make 20 by adding three numbers?**

$$\square + \bigcirc + \text{pentagon} = 20$$

$$\square + \bigcirc + \text{pentagon} = 20$$

$$\square + \bigcirc + \text{pentagon} = 20$$

$$\square + \bigcirc + \text{pentagon} = 20$$

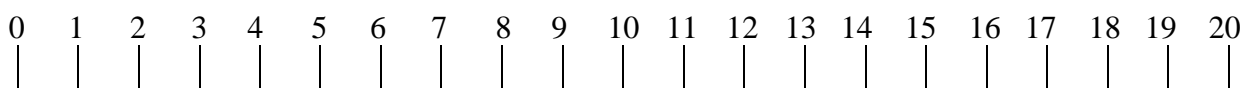
$$\square + \bigcirc + \text{pentagon} = 20$$

$$\square + \bigcirc + \text{pentagon} = 20$$

$$\square + \bigcirc + \text{pentagon} = 20$$



Find the missing number to make the number sentences true.



1.  $4 + 5 + \square = 20$

2.  $5 + 2 + \square = 20$

3.  $6 + 6 + \square = 20$

4.  $7 + 5 + \square = 20$

5.  $8 + 6 + \square = 20$

6.  $9 + 4 + \square = 20$

7.  $7 + 6 + \square = 20$

8.  $4 + 9 + \square = 20$



Find the missing number to make the number sentences true.



1.  $11 + 3 + \square = 20$

2.  $12 + 3 + \square = 20$

3.  $10 + 5 + \square = 20$

4.  $14 + 2 + \square = 20$

5.  $11 + 1 + \square = 20$

6.  $13 + 4 + \square = 20$

7.  $12 + 5 + \square = 20$

8.  $10 + 7 + \square = 20$

**Try doing these sums.  
They are all adding three  
numbers.  
Look out for numbers that make  
ten when you add them:**

**eg  $2 + 8$  or  $4 + 6$**



1.  $4 + 5 + 6 =$   2.  $4 + 6 + 8 =$

3.  $3 + 5 + 7 =$   4.  $2 + 4 + 8 =$

5.  $7 + 1 + 5 =$   6.  $8 + 3 + 4 =$

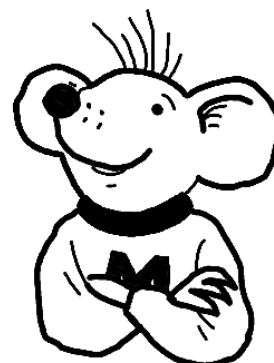
7.  $1 + 6 + 9 =$   8.  $7 + 2 + 3 =$

9.  $5 + 5 + 5 =$   10.  $9 + 4 + 1 =$

11.  $6 + 6 + 4 =$   12.  $8 + 6 + 2 =$

**Try doing these sums.  
They are all adding three numbers.  
Look out for numbers that make ten  
when you add them:**

**eg  $3 + 7$  or  $5 + 5$**



1.  $5 + 6 + 7 =$   2.  $3 + 7 + 9 =$

3.  $4 + 6 + 8 =$   4.  $3 + 5 + 7 =$

5.  $8 + 2 + 6 =$   6.  $9 + 2 + 3 =$

7.  $2 + 8 + 9 =$   8.  $8 + 1 + 9 =$

9.  $6 + 5 + 5 =$   10.  $8 + 9 + 1 =$

11.  $7 + 6 + 4 =$   12.  $9 + 6 + 4 =$



Adding three numbers

6

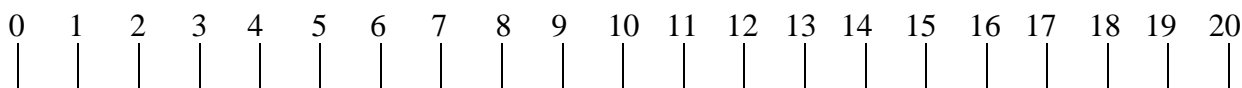
8

5

4



Take any three  
numbers.  
Add them up.  
What different totals  
can you make?



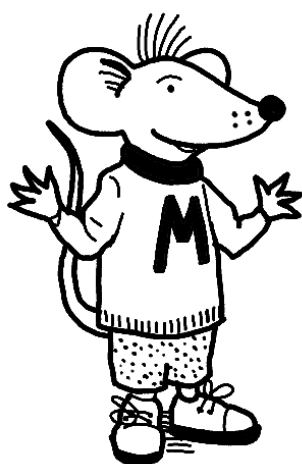
Adding three numbers

9

5

8

7



Take any three  
numbers.  
Add them up.  
What different totals  
can you make?

0 1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20

21 22 23 24 25 26 27 28 29 30

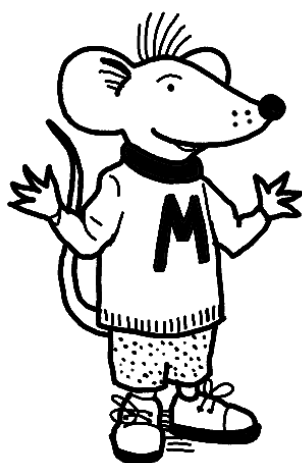
Adding three numbers

4

9

6

8



Take any three  
numbers.  
Add them up.  
What different totals  
can you make?

0 1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20

21 22 23 24 25 26 27 28 29 30

**Adding three numbers**

Try working out  
these addition  
sums.


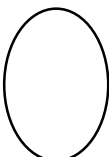
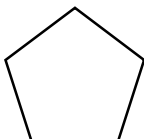
1. What is the sum of 2, 4 and 8 ?
2. What is the sum of 5, 6 and 9 ?
3. Add 5, 2 and 8.
4. Add 7, 5 and 6.
5. Find the total of 4, 9 and 8.
6. Find the total of 9, 8 and 8.
7. How many altogether are 7, 6 and 8 ?
8. How many altogether are 8, 9 and 5 ?


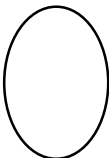
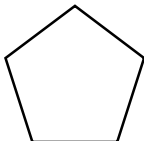
**Adding three numbers**


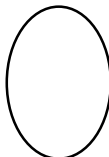
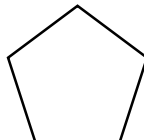
Try working out  
these addition  
sums.


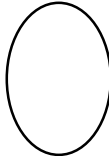
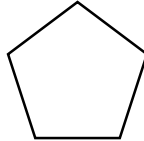
1. What is the sum of 3, 5 and 7 ?
2. What is the sum of 4, 7 and 10 ?
3. Add 6, 6 and 9.
4. Add 8, 5 and 11.
5. Find the total of 6, 12 and 8.
6. Find the total of 8, 8 and 12.
7. How many altogether are 3, 17 and 8 ?
8. How many altogether are 4, 14 and 6 ?


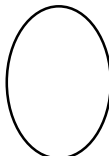
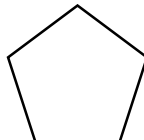
**Make 100****How many ways can you make 100 by adding three numbers?**


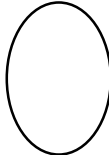
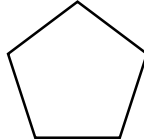
 $+$  $+$  $=$


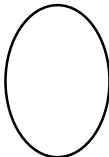
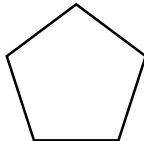
 $+$  $+$  $=$

 $+$  $+$  $=$

 $+$  $+$  $=$

 $+$  $+$  $=$

 $+$  $+$  $=$

 $+$  $+$  $=$

**How many ways?**

How many ways can you make  by adding three numbers?

$$\square + \bigcirc + \text{pentagon} =$$

$$\square + \bigcirc + \text{pentagon} =$$

$$\square + \bigcirc + \text{pentagon} =$$

$$\square + \bigcirc + \text{pentagon} =$$

$$\square + \bigcirc + \text{pentagon} =$$

$$\square + \bigcirc + \text{pentagon} =$$

$$\square + \bigcirc + \text{pentagon} =$$

**Answers****Page 3**

3 numbers totalling 20

**Page 4**

3 numbers totalling 20

**Page 5**

1. 11      2. 13      3. 8      4. 8      5. 6      6. 7      7. 7      8. 7

**Page 6**

1. 6      2. 5      3. 5      4. 4      5. 8      6. 3      7. 3      8. 3

**Page 7**

1. 15    2. 18    3. 15    4. 14    5. 13    6. 15    7. 16    8. 12    9. 15    10. 14    11. 16    12. 16

**Page 8**

1. 18    2. 19    3. 18    4. 15    5. 16    6. 14    7. 19    8. 18    9. 16    10. 18    11. 17    12. 19

**Page 9**

19, 18, 17, 15

**Page 10**

24, 22, 21, 20

**Page 11**

23, 21, 19, 18

**Page 12**

1. 14      2. 20      3. 15      4. 18      5. 21      6. 25      7. 21      8. 22

**Page 13**

1. 15      2. 21      3. 21      4. 24      5. 26      6. 28      7. 28      8. 24