

Numeracy lesson.

Thursday 2<sup>nd</sup> April



















# Mental Maths

Using your number bonds to 10 to help subtract from multiples of 10.

Multiples of ten are:

10,20,30,40,50,  
60,70,80,90,100

### Addition and Subtraction Facts to 10

$10 + 0 = 10$ $0 + 10 = 10$ $10 - 0 = 10$ $10 - 10 = 0$			
$9 + 1 = 10$ $1 + 9 = 10$ $10 - 9 = 1$ $10 - 1 = 9$			
$8 + 2 = 10$ $2 + 8 = 10$ $10 - 8 = 2$ $10 - 2 = 8$			
$7 + 3 = 10$ $3 + 7 = 10$ $10 - 7 = 3$ $10 - 3 = 7$			
$6 + 4 = 10$ $4 + 6 = 10$ $10 - 6 = 4$ $10 - 4 = 6$			
$5 + 5 = 10$ $10 - 5 = 5$			

We can use our number bonds to 10 to help us work out more tricky calculations with larger numbers. For example...

If we know that  $10-8=2$

Then we also know that  $50-8=42$

That's because 8 and 2 are in the same number family.

# Mental Maths

Your turn!

1)  $30-7=$

9)  $100-6=$

2)  $20-9=$

10)  $90-8=$

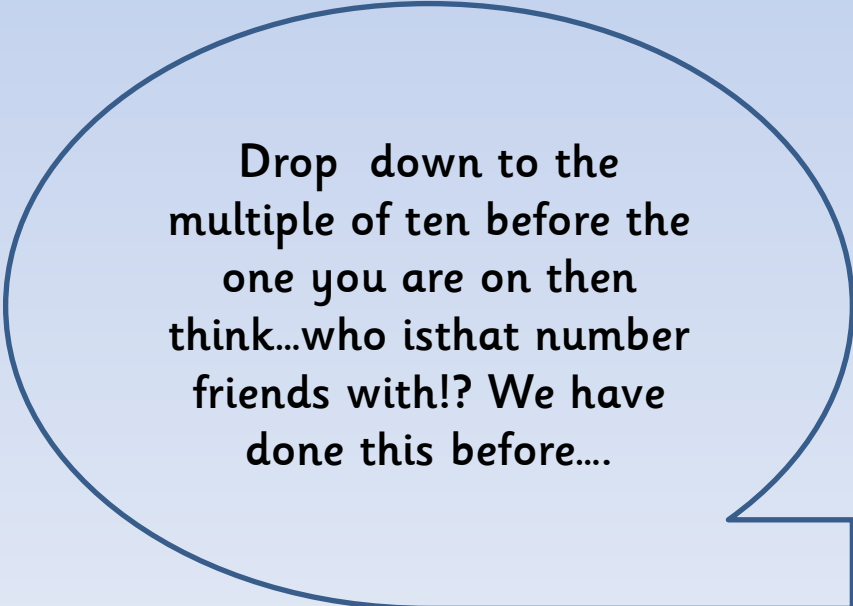
3)  $10-3=$

4)  $90-9=$

5)  $70-4=$

6)  $80-2=$

7)  $60-7=$



Drop down to the multiple of ten before the one you are on then think...who is that number friends with!? We have done this before....

# L.I. To answer subtraction word problems

*Recommended time approx 1 hour*

## Steps to success

- I can identify the key information from a worded problem.
- I can subtraction by drawing dienes or using the partitioning method.
- I can make a sensible estimation to check whether my answer looks right.



Today you will be answering subtraction word problems.

You can use the partition method or draw the dienes (Monday and Tuesday's lesson).

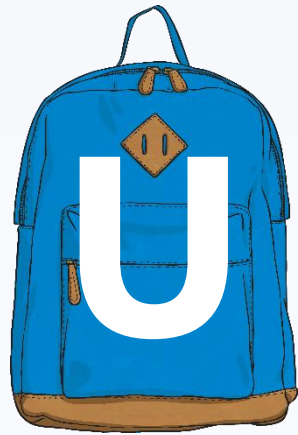
You can check whether your answer looks sensible by making a sensible guess (estimation)!

**You can use the 'RUCSAC'  
method when tackling worded  
problems...**



Read the question.  
What is the important  
information?





nderstand

Understand the question.  
What do you need to find out?



Choose the correct method of  
calculation and operation(s),  
i.e. addition!



Solve the problem. Use the partition method or draw the dienes.

Make sure you follow the steps.



Answer the question.

What were you meant to  
find out?

Have you remember to write whatever you've  
been counting next to the answer? i.e. cm,  
counters, buttons etc



Check your answer.  
Use your sensible estimation to  
check if your answer looks  
sensible.

Mild



Your turn!

You choose a sensible challenge for yourself!

1. Miss Arthur has 37 pairs of socks. She throws 10 pairs away. How many are left?

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2. There are 38 children at a party. Only 20 children are left in a game.  
How many children are no longer in the game?

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3. A teacher has 45 pencils. She gives out 30 to the new children in her class.  
How many are left?

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4. Janine buys a packet of crisps for 65p. She paid with 80p.  
How much change will she get?

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5. A florist has 72 roses. She sells 40 in one day.  
How many are left?

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6. Marcel has 48 sweets. He shares 20 between his friends.  
How many does he have left?

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7. A farmer has 84 cows. He takes 50 to a new field.  
How many are left behind?

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8. A class has a target of raising £70 for a local charity. So far, they have raised £49.  
How much more do they need to raise to reach their target?

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Spicy



## Your turn! (Ignore how they are numbered)

1. Miss Arthur has 37 pairs of socks. She throws some pairs away. There are 19 pairs left.  
How many pairs did she throw away?  
\_\_\_\_\_
2. There are 58 children at a party. 12 children do not join in with the game.  
Half way through, 17 children leave the game. How many children are left playing?  
\_\_\_\_\_
3. A teacher has 95 pencils in a cupboard. She gives out 28 to the new children in her class, puts 34 in a tray and the rest back in the cupboard. How many are put back in the cupboard?  
\_\_\_\_\_
4. Janine buys a packet of crisps for 53p. She paid with a 50p and 20p coin.  
How much change will she get?  
\_\_\_\_\_
5. A florist has 72 roses. In one day, 33 are sold and 13 are thrown away. How many are left?  
\_\_\_\_\_
6. Marcel has 48 sweets. He shares 23 between his friends and eats 9.  
How many does he have left?  
\_\_\_\_\_
7. A farmer has 84 cows. He takes 36 to a new field and 17 to a barn. How many are left behind?  
\_\_\_\_\_
8. A class has a target of raising £100 for a local charity. So far, they have raised £49, and another £29 is promised. How much more do they need to raise to reach their target?  
\_\_\_\_\_

# Your turn! (Ignore how they are numbered)



1. A shop has 76 pairs of socks. 33 pairs are white sport socks. How many other pairs are there?

\_\_\_\_\_



2. There are 189 children in a school. 114 are in Key Stage 2, the rest are in the Foundation Stage and Key Stage 1. How many children are in the Foundation Stage and Key Stage 1 altogether?

\_\_\_\_\_

3. There are 115 pencils in the cupboard. 82 are given out to the children. How many are left in the cupboard?

\_\_\_\_\_



4. Edward buys a drink for 82p. He pays with a £1 coin. What change does he receive?

\_\_\_\_\_

5. A flower market has 132 tulips. A florist buys 80 tulips. How many are left?

\_\_\_\_\_

6. A sweet shop has 127 boiled sweets in a jar. One jar containing 64 sweets is sold. How many are left?

\_\_\_\_\_



7. A farmer has 184 cows. He takes 97 to a new field. How many are left behind?

\_\_\_\_\_

8. A school has a target of raising £175 for a local charity. So far they have raised £110. How much more is there to raise to reach the target?

\_\_\_\_\_





# Let's reflect on our learning!

## Can you now...

- .. identify the key information from a worded problem?
- ...subtract by drawing dienes or using the partitioning method?
- ...make a sensible estimation to check whether my answer looks right?

Not achieved the learning intention- I've answered 'no' to all of the above.  
Go through the slides again.

Partly achieved the learning intention- I've answered 'yes' to some of the above  
Goo job! We'll keep practising.

Achieved the learning intention- I've answered 'yes' to all of the above.  
Well done!

