

Summer term week 1 w/b 27th April 2020

Maths:

(NB continual work to practise multiplication tables and learning to tell the time)

All these strategies can be found on Brookside you tube channel.

https://www.youtube.com/channel/UC-JJXZ7S29swCgB1WUVPR_A

This week we are recapping on our subtraction strategies.

In year 3 we use different methods to subtract numbers depending on the numbers in the calculation:

Adjusting: - mental method

Use this method when one of the numbers can easily be rounded to the nearest 10 or 100.

$$56 - 9$$

$$57 - 10 = 47$$

(add 1 to each number because you are finding the difference and as long as you add the same to each number the difference is the same)

$$67 - 19$$

$$68 - 20 = 48$$

$$264 - 99$$

$$265 - 100 = 165$$

(add 1 to each number because you are finding the difference and as long as you add the same to each number the difference is the same)

$$675 - 299$$

$$676 - 300 = 376$$

Now have a go at these:

1) $56 - 9$

2) $67 - 19$

3) $87 - 29$

4) $78 - 49$

5) $92 - 59$

1) $125 - 99$

2) $451 - 299$

3) $325 - 199$

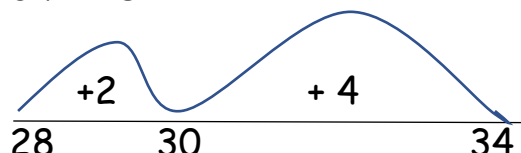
4) $712 - 399$

5) $850 - 298$

Subtracting (counting on): - mental method

Use this method when the difference between the 2 numbers is small.

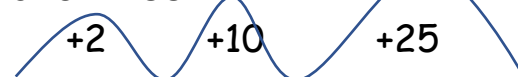
$$34 - 28$$



$$2 + 4 = 6 \quad \text{So } 34 - 28 = 6$$

NB round to the nearest 10 first.

$$325 - 288$$



$$288 \quad 290 \quad 300 \quad 325$$

$$2 + 10 + 25 = 37 \quad \text{So } 325 - 288 = 37$$

NB round to the nearest 10 then to the nearest 100 OR (if confident) to the nearest 100 first).

Now have a go at these:

1) $43 - 37$

2) $54 - 45$

3) $67 - 54$

4) $82 - 76$

5) $96 - 88$

1) $213 - 189$

2) $327 - 285$

3) $535 - 489$

4) $622 - 576$

5) $833 - 797$

Subtracting (exchanging): - column method

Use this method when exchanging is required. Remember to start subtracting at the ones.

$54 - 35 = 19$

$$\begin{array}{r} 40 \\ \cancel{50} \quad 14 \\ -30 \quad 5 \\ \hline 10 \quad 9 = 19 \end{array}$$

Exchanging once:

$352 - 125 = 227$

$$\begin{array}{r} 40 \\ 300 \quad \cancel{50} \quad 12 \\ -100 \quad 20 \quad 5 \\ \hline 200 \quad 20 \quad 7 = 227 \end{array}$$

Exchanging twice:

$432 - 158 = 274$

$$\begin{array}{r} 300 \quad 120 \\ 400 \quad \cancel{30} \quad 12 \\ -100 \quad 50 \quad 8 \\ \hline 200 \quad 70 \quad 4 = 274 \end{array}$$

Now have a go at these:

1) $52 - 37$

2) $61 - 43$

3) $83 - 45$

4) $76 - 27$

5) $93 - 58$

1) $371 - 193$

2) $453 - 228$

3) $618 - 325$

4) $753 - 266$

5) $826 - 547$

Word problems (2 digit)

1. There are 95 children in a school. One day, 63 children turn up to school. How many children were away that day?

2. A teacher has 57 pencils. She gives 24 out during the day. How many does she have left?

3. Xena bought a toy for 55p. She paid with 80p. How much change did she get?

4. There were 76 flowers in a field. Some children pulled out 37. How many flowers were left?
5. Scarlett has 68 sweets. She eats 32 of them. How many sweets are left?
6. In a swarm of 63 bees, only 22 return to their hive. How many bees got lost?
7. A class is raising money for charity. Their target is £50. So far they have raised £39. How much money do they now need to raise to meet their target?
8. Mrs Naseer and Miss Field have 59 books to mark! Mrs Naseer marks 23 of them. How many are left for Miss Field?
9. Mrs Bodycote has 64 spots on her pyjamas. She puts them in the wash and 35 of them disappear! How many spots are left?
10. Miss Clarke has 44 pairs of socks. She throws 19 pairs away. How many pairs does she have left?

Word problems (3 digit)

1. There are 547 children in a school. One day, 502 children turn up to school. How many children were away that day?
2. Seher bought a pencil case for £2.17. She paid with £2.50. How much change did she get?
3. A jug of water has 782ml of water in it. Ravi pours 726ml out. How much water is left?
4. Mrs Bodycote is running a 500m race. She is 217m away from the finish line. How far has she already run?
5. A school is raising money for charity. Their target is £500. So far they have raised £390. How much money do they now need to raise to meet their target?
6. Miss Clarke is collecting stamps. At the moment, she has 159. Miss Field gives her 117 more. She then gives 99 to Mrs Naseer. How many stamps does she have now?
7. In a swarm of 363 bees, only 126 return to their hive. How many bees got lost?
8. Mrs Naseer and Miss Field have 451 books to mark! Mrs Naseer marks 283 of them. How many are left for Miss Field?
9. Miss Clarke has 344 pairs of shoes. She throws 199 pairs away. How many pairs does she have left?
10. Mrs Bodycote is making a bookcase. The shelf needs to be 345cm long but she only has a piece of wood that is 187cm long. How much more wood does she need?

Answers:

Adjusting

1) 47	1) 26
2) 48	2) 152
3) 58	3) 126
4) 29	4) 313
5) 63	5) 552

Counting on

1) 6	1) 24
2) 9	2) 42
3) 13	3) 46
4) 6	4) 46
5) 8	5) 36

Column

1) 15	1) 178
2) 18	2) 225
3) 38	3) 293
4) 49	4) 487
5) 35	5) 279

Word problems

2 digit
1. 32
2. 33
3. 25
4. 39
5. 36
6. 41
7. £11

8. 36

9. 29

10.25

3 digit

1. 45

2. 33p

3. 56ml

4. 283m

5. £110

6. 177

7. 237

8. 168

9. 145

10. 158cm