

DR BAKER'S YEAR 3 MATHS
WEDNESDAY 25TH MARCH



WELCOME TO DAY 3

“Morning. The answers to the times tables from yesterday are here. It is a really good chance for you to work on your times tables while you are off. Remember we should know 2, 5, 10, 3, 4 and 8 by the end of the year.”

1. $5 \times 9 = 45$

2. $2 \times 8 = 16$

3. $10 \times 11 = 110$

4. $6 \times 3 = 18$

5. $4 \times 8 = 32$

6. $3 \times 7 = 21$

7. $7 \times 8 = 56$

8. $4 \times 7 = 28$

9. $12 \times 2 = 24$

10. $9 \times 3 = 27$

11. $7 \times 10 = 70$

12. $12 \times 5 = 60$

13. $8 \times 6 = 48$

14. $10 \times 12 = 120$

15. $3 \times 3 = 9$

TODAY'S PROBLEM QUESTIONS -

- **EASIER QUESTION**

Write the missing numbers in this question

$$\begin{array}{r} 453 \\ + 2?4 \\ \hline 68? \end{array}$$

- **HARDER QUESTION**

Write the missing numbers in this question

$$\begin{array}{r} 356 \\ + 1?5 \\ \hline 48? \end{array}$$

TASKS FOR TODAY

L.O. To practise mental subtraction

I seem to have put up a lot of work today but I know some of you will get through this really fast. However don't worry - what I want you to practise is working things out in your head so if you don't do as many questions that is fine. As yesterday, just do as much as you can in the time you have. Answers are later in the slides.

People with Abacus Number Textbook 1
(Clowns on the front)

Page 19 and 21. Use the number line at the bottom of Page 19 to count back if stuck.

Everyone else and Abacus people if you fancy it

Your work is on the next slides. Pick level A, B or C and mark as normal, moving up or down a level if necessary. Try to do them in your head but if stuck draw a section of the number line to help you.

Mental Subtraction — 1

Now let's try some mental subtraction. It's the same idea as with addition — you just have to remember to think about place value. Let's have a go at subtracting some ones from 3-digit numbers.

Examples

Work out the following in your head:

$109 - 3$

$920 - 4$

$752 - 5$

$109 - 3 = 106$

$920 - 4 = 916$

$752 - 5 = 747$

$(9 - 3 = 6)$

$(20 - 4 = 16)$

$(52 - 5 = 47)$



Set A

Work out these in your head:

- 604 - 3
- 207 - 5
- 806 - 1
- 308 - 4
- 719 - 8
- 527 - 7

Work out these in your head:

- 180 - 3
- 420 - 1
- 980 - 2
- 230 - 6
- 840 - 5
- 390 - 3

Find the missing numbers:

- $701 - \square = 700$
- $905 - \square = 903$
- $138 - \square = 132$
- $549 - \square = 547$
- $260 - \square = 253$
- $480 - \square = 477$

Set B

Work out these in your head:

- 209 - 7
- 728 - 5
- 200 - 2
- 800 - 8
- 920 - 3
- 650 - 9

Work out these in your head:

- 830 - 7
- 190 - 4
- 344 - 8
- 473 - 4
- 518 - 9
- 172 - 6

Find the missing numbers:

- $900 - \square = 896$
- $600 - \square = 592$
- $310 - \square = 303$
- $570 - \square = 568$
- $485 - \square = 479$
- $541 - \square = 532$

Set C

Work out these in your head:

- 409 - 8
- 116 - 5
- 500 - 7
- 700 - 5
- 345 - 7
- 852 - 6

Work out these in your head:

- 204 - 7
- 601 - 3
- 907 - 9
- $722 - 2 = 4$
- $413 - 5 = 2$
- $156 - 7 = 3$

Find the missing numbers:

- $900 - \square = 899$
- $213 - \square = 207$
- $646 - \square = 639$
- $305 - \square = 297$
- $818 - 9 - \square = 802$
- $523 - \square - 8 = 512$

Mental Subtraction — 2

Now have a go at subtracting tens from 3-digit numbers. Nothing to worry about, just keep thinking about the place value of each digit.

Examples

Work out the following in your head:

$170 - 30$

$260 - 80$

$590 - 20 - 50$

$170 - 30 = 140$

$260 - 80 = 180$

$590 - 20 - 50 = 520$

$(7 - 3 = 4)$

$(26 - 8 = 18)$

$(59 - 2 - 5 = 52)$

Set A

Work out these in your head:

- 290 - 60
- 540 - 20
- 750 - 40
- 380 - 50
- 860 - 30
- 430 - 10

Work out these in your head:

- 183 - 30
- 657 - 50
- 971 - 40
- 818 - 10
- 725 - 20
- 294 - 70

Find the missing numbers:

- $170 - \square = 150$
- $680 - \square = 610$
- $950 - \square = 910$
- $368 - \square = 328$
- $431 - \square = 401$
- $542 - \square = 512$

Set B

Work out these in your head:

- 670 - 40
- 490 - 80
- 128 - 10
- 992 - 80
- 283 - 20
- 376 - 50

Work out these in your head:

- 500 - 30
- 400 - 70
- 800 - 40
- 210 - 20
- 920 - 80
- 160 - 90

Find the missing numbers:

- $736 - \square = 706$
- $694 - \square = 634$
- $300 - \square = 210$
- $900 - \square = 820$
- $240 - \square = 170$
- $830 - \square = 790$

Set C

Work out these in your head:

- 790 - 70
- 357 - 40
- 570 - 80
- 660 - 70
- 410 - 50
- 930 - 40

Work out these in your head:

- 153 - 70
- 813 - 30
- 237 - 50
- $764 - 20 = 10$
- $382 - 40 = 30$
- $409 - 20 = 40$

Find the missing numbers:

- $170 - \square = 80$
- $220 - \square = 150$
- $618 - \square = 578$
- $533 - \square = 453$
- $668 - \square - 30 = 618$
- $967 - 30 - \square = 887$

Mental Subtraction — 3

This page gives you lots of practice taking hundreds away from 3-digit numbers. You can still do it in your head by looking at the hundreds digit of each number.

Examples

Work out the following in your head:

$200 - 100$

$710 - 200$

$530 - 200 - 200$

$200 - 100 = 100$

$710 - 200 = 510$

$530 - 200 - 200 = 130$

$(2 - 1 = 1)$

$(7 - 2 = 5)$

$(5 - 2 - 2 = 1)$



Set A

Work out these in your head:

- 600 - 300
- 900 - 500
- 200 - 200
- 700 - 300
- 700 - 600
- 800 - 400

Work out these in your head:

- 350 - 200
- 790 - 400
- 840 - 300
- 410 - 200
- 560 - 300
- 620 - 500

Find the missing numbers:

- $900 - \square = 800$
- $600 - \square = 400$
- $500 - \square = 300$
- $830 - \square = 530$
- $790 - \square = 390$
- $400 - \square = 0$

Set B

Work out these in your head:

- 400 - 200
- 700 - 400
- 180 - 100
- 350 - 200
- 660 - 300
- 530 - 400

Work out these in your head:

- 272 - 200
- 826 - 500
- 957 - 700
- 413 - 300
- 594 - 200
- 735 - 500

Find the missing numbers:

- $300 - \square = 0$
- $600 - \square = 200$
- $780 - \square = 680$
- $460 - \square = 160$
- $923 - \square = 623$
- $765 - \square = 365$

Set C

Work out these in your head:

- 670 - 500
- 850 - 400
- 210 - 200
- 370 - 200
- 938 - 600
- 715 - 500

Work out these in your head:

- $384 - 200 = 100$
- $571 - 200 = 200$
- $792 - 300 = 100$
- $827 - 400 = 200$
- $629 - 300 = 200$
- $978 - 400 = 300$

Find the missing numbers:

- $380 - \square = 80$
- $510 - \square = 210$
- $274 - \square = 174$
- $893 - \square = 593$
- $963 - 400 - \square = 463$
- $837 - 500 - \square = 37$

ANSWERS FOR NUMBER TEXTBOOK

Page 19

12. 7p

1. 16p

13. $a = 3$,

2. 17p

$b = 5$,

3. 11p

$c = 11$,

4. 14p

$d = 12$,

5. 12p

$e = 13$,

6. 19p

$f = 15$,

7. 18p

$g = 20$,

8. 9p

$h = 22$,

9. 15p

$i = 24$,

10. 13p

$j = 25$

11. 6p

Page 21

10. 32p

1. 24p

11. 11

2. 23p

12. 26

3. 20p

13. 16

4. 16p

14. 24

5. 42p

15. 12

6. 15p

16. 22

7. 12p

17. 18

8. 31p

18. 30

9. 21p

ANSWERS FOR MENTAL SUBTRACTION 1

A		B		C	
11. 835		11. 509		11. 406	
1. 601	12. 387	1. 202	12. 166	1. 401	12. 146
2. 202	13. 1	2. 723	13. 4	2. 111	13. 1
3. 805	14. 2	3. 198	14. 8	3. 493	14. 6
4. 304	15. 6	4. 792	15. 7	4. 695	15. 7
5. 711	16. 2	5. 917	16. 2	5. 338	16. 8
6. 520	17. 7	6. 641	17. 6	6. 846	17. 7
7. 177	18. 3	7. 823	18. 9	7. 197	18. 3
8. 419		8. 186		8. 598	
9. 978		9. 336		9. 898	
10. 224		10. 469		10. 716	

ANSWERS FOR MENTAL SUBTRACTION 2

A	11. 705	B	11. 840	C	11. 312
1. 230	12. 224	1. 630	12. 70	1. 720	12. 349
2. 520	13. 20	2. 410	13. 30	2. 317	13. 90
3. 710	14. 70	3. 118	14. 60	3. 490	14. 70
4. 330	15. 40	4. 912	15. 90	4. 590	15. 40
5. 830	16. 40	5. 263	16. 80	5. 360	16. 80
6. 420	17. 30	6. 326	17. 70	6. 890	17. 20
7. 153	18. 30	7. 470	18. 40	7. 83	18. 50
8. 607		8. 330		8. 783	
9. 931		9. 760		9. 187	
10. 808		10. 190		10. 734	

ANSWERS FOR MENTAL SUBTRACTION 3

A		B		C	
1. 300	11. 260	1. 200	11. 394	1. 170	11. 129
2. 400	12. 120	2. 300	12. 235	2. 450	12. 278
3. 0	13. 100	3. 80	13. 300	3. 10	13. 300
4. 400	14. 200	4. 150	14. 400	4. 170	14. 300
5. 100	15. 200	5. 360	15. 100	5. 338	15. 100
6. 400	16. 300	6. 130	16. 300	6. 215	16. 300
7. 150	17. 400	7. 72	17. 300	7. 84	17. 100
8. 390	18. 400	8. 326	18. 400	8. 171	18. 300
9. 540		9. 257		9. 392	
10. 210		10. 113		10. 227	