Summer 2 Week 6 Maths Day 1

Try BBC Bitesize for daily lessons

https://www.bbc.co.uk/bitesize/dailylessons

Try the National Academy online classroom for lessons

https://www.thenational.academy/online-classroom/year-5/#subjects

Don't forget TT Rockstars!

https://play.ttrockstars.com/auth/school/student

Summer 2 Week 6 Maths Day 1

Add and subtract near multiples of 10, 100, 1000.

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. Look at the learning reminders.
2. Complete 'Mild' or 'Hot' practice questions
3. Finding it tricky? Have a look at 'A bit stuck' and ask a grown up
4. Completed the practise sheets? Try the investigation!

Learning Reminders

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Add and subtract near multiples of 10, 100, 1000.

4658 + 198 4658 + 205

To find 4658 + 205, add 200 then 5 more as 205 is 5 more than 200.

4658 + 205 = 4863

Add and subtract near multiples of 10, 100, 1000.

4658 – 2005 4658 – 1998

We know 4658 – 2000 is 2658.

2005 is 5 more than 2000 so subtract 5 more:
4658 – 2000 = 2658
4658 – 2005 = 2653

1998 is 2 less than 2000 so add 2 back:
4658 – 2000 is 2658
4658 – 1998 = 2660

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Practice Sheet Mild

Add and subtract near multiples of 10, 100, 1000

1.	6545 + 30	6545 + 32	6545 + 28
2.	7365 + 70	7365 + 73	7365 + 67
3.	5352 + 400	5352 + 405	5352 + 395
4.	4578 + 2000	4578 + 2003	4578 + 1999
5.	7472 – 50	7472 – 51	7472 – 49
6.	3843 – 300	3843 – 302	3843 – 298
7.	4270 – 400	4270 – 401	4270 – 399
8.	8452 – 3000	8452 – 3005	8452 – 2995

Practice Sheet Hot

Add and subtract near multiples of 10, 100, 1000

1.	5378 + 51	5378 + 48
2.	6425 – 602	6425 – 597
3.	4635 + 2002	4635 + 1995
4.	24,378 + 405	24,378 + 398
5.	34,651 + 3002	34,561 + 2997
6.	67,384 – 53	67,384 – 49
7.	32,456 – 4002	32,456 – 3995
8.	45,823 + 503	45,823 + 496
9.	32,538 + 410	32,538 + 390
10.	73,256 – 5020	73,256 - 4990

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A bit stuck?

Adding multiples of 10, 100 and +1 or -1

Sketch an empty number line for each question.
It will help you to visualise which way to adjust each addition.

1. 156 + 20	156 + 19	156 + 21	**6.** 435 + 300	435 + 299	435 + 301
2. 347 + 40	347 + 39	347 + 41	**7.** 726 + 100	726 + 99	726 + 101
3. 661 + 30	661 + 29	661 + 31	**8.** 412 + 400	412 + 399	412 + 401
4. 346 + 100	346 + 99	346 + 101	**9.** 189 + 30	189 + 29	189 + 31
5. 257 + 200	257 + 199	257 + 201	**10.** 275 + 40	275 + 39	275 + 41

Summer 2 Week 6 Maths Day 1

Investigation

Add/subtract near multiples

Things you will need:

- Add and subtract near multiples: Set 1 and Set 2

Start with 5468

- Add near multiples to this number, then subtract near multiples from it.
- **Cut up and spread out** Set 1 of the 'Add and subtract near multiples' cards.
- Choose an **addition** card and decide what multiple of 10, 100 or 1000 it would be useful to add to 5468.

> e.g.
> Choose '+ 305 and + 299' add 300.
> 5468 + 300 = 5768

- Now calculate 5468 + 305 (add 5 more to 5768) and 5468 + 299 (subtract 1 from 5768). *You can draw a number line to help: no adding in columns!*
- Repeat with three different addition cards, each time starting with 5468.
- Can you predict what the *difference* will be between your two answers?
- Repeat for **subtractions.**

> e.g.
> Choose '– 1005 and – 995'.
> Subtract 1000: 5468 – 1000 = 4468
> How will you find 5468 – 1005 and 5468 – 995?

- Repeat for 3 more **subtraction** cards, each time starting with 5468.

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+23 +19	+51 +48	+102 +98
+305 +299	+2000 +1997	+1006 +995
-43 -38	-71 -69	-104 -99
-202 -198	-1005 -995	-2001 -1999

+8002 +7998	+4005 +3997	+304 +299
+601 +599	+98 +104	+83 +79
-4001 -3998	-2004 -1995	-303 -298
-703 -697	-45 -39	-73 -68

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Answers

Add and subtract near multiples of 10, 100, 1000 (mild)

1.	6545 + 30 = 6575	6545 + 32 = 6577	6545 + 28 = 6573
2.	7365 + 70 = 7435	7365 + 73 = 7438	7365 + 67 = 7432
3.	5352 + 400 = 5752	5352 + 405 = 5757	5352 + 395 = 5747
4.	4578 + 2000 = 6578	4578 + 2003 = 6581	4578 + 1999 = 6577
5.	7472 – 50 = 7422	7472 – 51 = 7421	7472 – 49 = 7423
6.	3843 – 300 = 3543	3843 – 302 = 3541	3843 – 298 = 3545
7.	4270 – 400 = 3870	4270 – 401 = 3869	4270 – 399 = 3871
8.	8452 – 3000 = 5452	8452 – 3005 = 5447	8452 – 2995 = 5457

Add and subtract near multiples of 10, 100, 1000 (hot)

1.	5378 + 51 = 5429	5378 + 48 = 5426
2.	6425 – 602 = 5823	6425 – 597 = 5828
3.	4635 + 2002 = 6637	4635 + 1995 = 6630
4.	24,378 + 405 = 24,783	24,378 + 398 = 24,776
5.	34,651 + 3002 = 37,653	34,561 + 2997 = 37,558
6.	67,384 – 53 = 67,331	67,384 – 49 = 67,335
7.	32,456 – 4002 = 28,454	32,456 – 3995 = 28,461
8.	45,823 + 503 = 46,326	45,823 + 496 = 46,319
9.	32,538 + 410 = 32,948	32,538 + 390 = 32,928
10.	73,256 – 5020 = 68,236	73,256 - 4990 = 68,266

A bit stuck

Adding multiples of 10 and 100 and multiples +1, -1

1.	156 + 20 = 176	156 + 19 = 175	156 + 21 = 177
2.	347 + 40 = 387	347 + 39 = 386	347 + 41 = 388
3.	661 + 30 = 691	661 + 29 = 690	661 + 31 = 692
4.	346 + 100 = 446	346 + 99 = 445	346 + 101 = 447
5.	257 + 200 = 457	257 + 199 = 456	257 + 201 = 458
6.	435 + 300 = 735	435 + 299 = 734	435 + 301 = 736
7.	726 + 100 = 826	726 + 99 = 825	726 + 101 = 827
8.	412 + 400 = 812	412 + 399 = 811	412 + 401 = 813
9.	189 + 30 = 219	189 + 29 = 218	189 + 31 = 220
10.	275 + 40 = 315	275 + 39 = 314	275 + 41 = 316