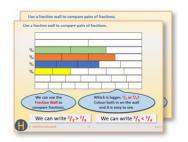
Week 13, Day 1

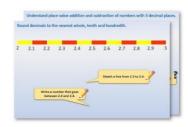
Add and subtract near multiples of 10, 100, 1000.

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

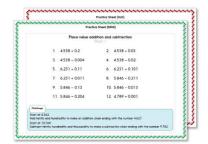
1. If possible, watch the **PowerPoint presentation** with a teacher or another grown-up.



OR start by carefully reading through the **Learning Reminders**.



Tackle the questions on the Practice Sheet.
 There might be a choice of either Mild (easier) or Hot (harder)!
 Check the answers.

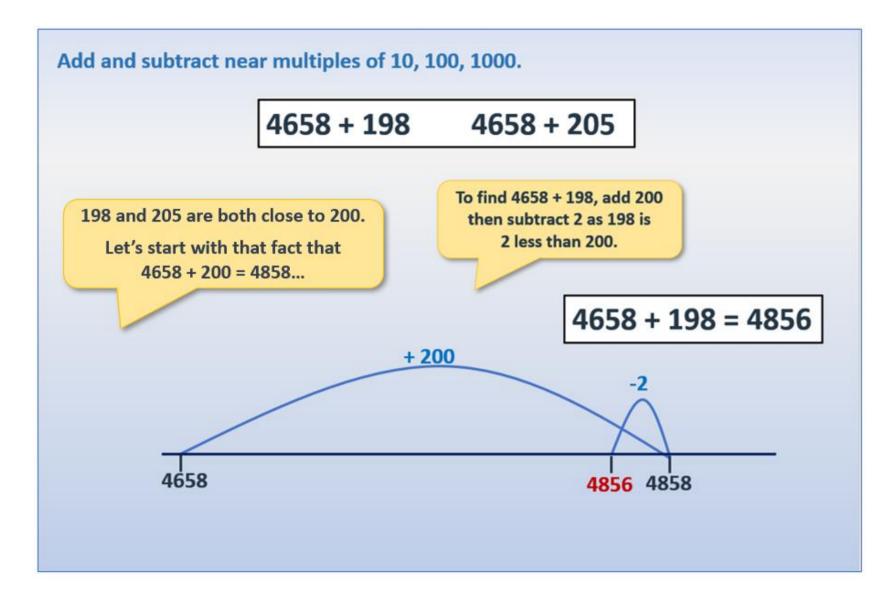


3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

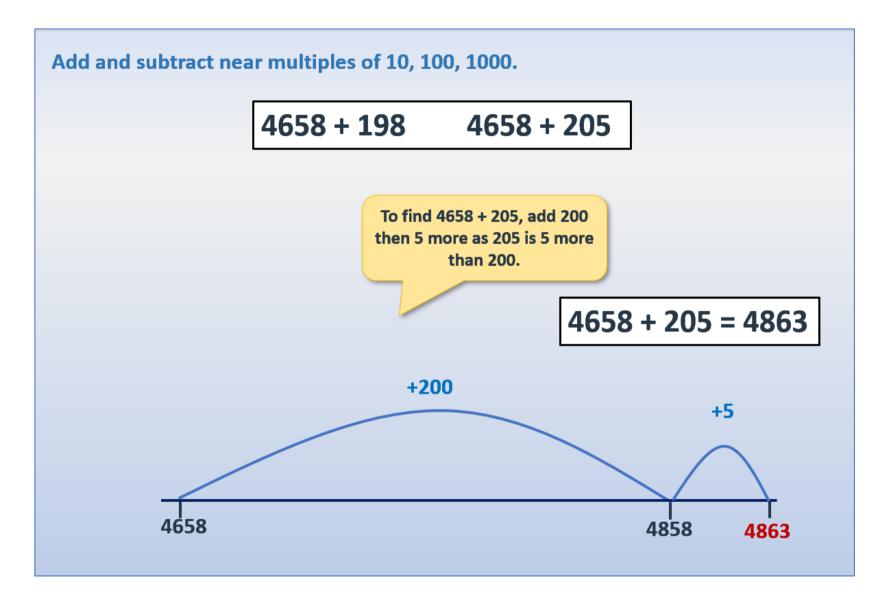


4. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the **Investigation**...

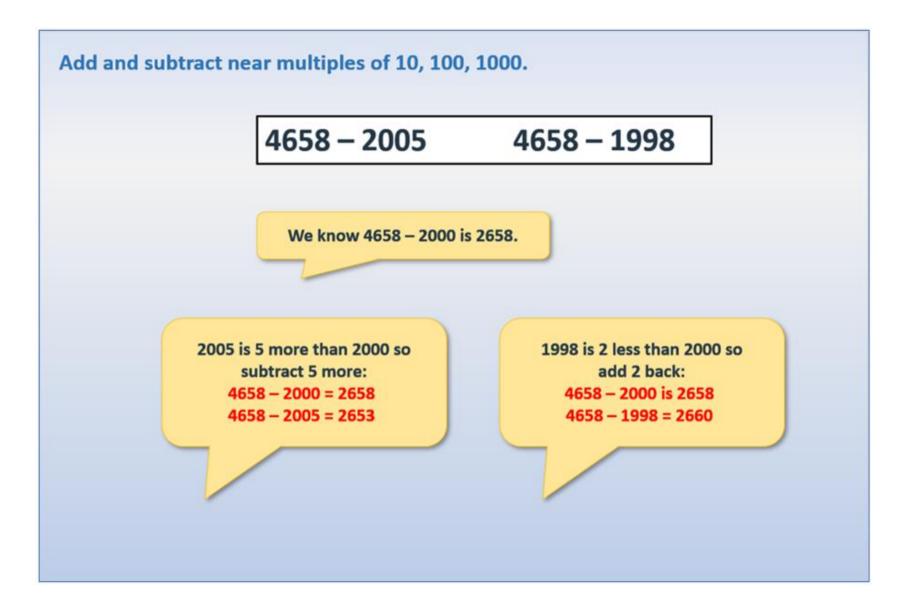
Learning Reminders



Learning Reminders



Learning Reminders



Practice Sheet Mild

Add and subtract near multiples of 10, 100, 1000

$$6545 + 32$$

$$6545 + 28$$

$$2. 7365 + 70$$

$$7365 + 73$$

$$7365 + 67$$

$$5352 + 405$$

$$5352 + 395$$

$$7472 - 51$$

$$3843 - 302$$

$$4270 - 399$$

Practice Sheet Hot

Add and subtract near multiples of 10, 100, 1000

5.
$$34,651 + 3002$$
 $34,561 + 2997$

Practice Sheets Answers

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

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

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

1.	5378 + 51 = <mark>5429</mark>	5378 + 48 = <mark>5426</mark>
2.	6425 - 602 = <mark>5823</mark>	6425 - 597 = <mark>5828</mark>
3.	4635 + 2002 = <mark>6637</mark>	4635 + 1995 = <mark>6630</mark>
4.	24,378 + 405 = 24,783	24,378 + 398 = <mark>24,776</mark>
5.	34,651 + 3002 = 37,653	34,561 + 2997 = 37,558
6.	67,384 - 53 = <mark>67,331</mark>	67,384 - 49 = 67,335
7.	32,456 - 4002 = <mark>28,454</mark>	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 = <mark>68,236</mark>	73,256 - 4990 = <mark>68,266</mark>

A Bit Stuck?

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

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

$$156 + 19$$

$$156 + 21$$

$$435 + 299$$

$$435 + 301$$

$$347 + 39$$

$$347 + 41$$

$$726 + 99$$

$$726 + 101$$

$$661 + 29$$

$$661 + 31$$

$$412 + 401$$

$$346 + 99$$

$$189 + 29$$

$$189 + 31$$

$$275 + 41$$

A Bit Stuck?

Answers

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

1. 156 + 20 = 176	156 + 19 = <mark>175</mark>	156 + 21 = 177
2 . $347 + 40 = 387$	347 + 39 = 386	347 + 41 = 388
$3. \ 661 + 30 = 691$	661 + 29 = <mark>690</mark>	661 + 31 = <mark>692</mark>
4 . 346 + 100 = 446	346 + 99 = 445	346 + 101 = 447
5 . 257 + 200 = 457	257 + 199 = <mark>456</mark>	257 + 201 = 458
6 . 435 + 300 = 735	435 + 299 = 734	435 + 301 = 736
7 . 726 + 100 = 826	726 + 99 = <mark>825</mark>	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

Investigation

Add and subtract near multiples

Things you will need:

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Add and subtract near multiples:
 Set 1 and Set 2



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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.

- 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.

Challenge

Start with 23,456 and use Set 2 of the 'Add and subtract near multiples' cards.

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4 + ? = X cm³ ½ ÷ £ ½ > m² + % < % - cm ? + ÷ ½

