# Week 11, Day 1 Add and subtract multiples of 10 and 100

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

1.	Start by reading through the Learning Reminders.	Ro	Unders und decir	stand pla mais to t	ce value he near	e additio est whol	n and sui e, tenth	otraction and hum	of numt	pers with	3 decim	al place	25.
	They come from our <i>PowerPoint</i> slides.	2	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3	
							2	Sketch	a line from	1 2.3 to 2.4.	<b>.</b>		3

 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?
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Write a number that goes between 2.3 and 2.4.

4538+02

3. 4538-0.004

6.231 + 0.11

6231+0011

5.846 - 0.13

11. 5.846 - 0.20

4. 4538-0.02

6.231 + 0.10

8 5.846 - 0.211

10, 5.846 - 0.013

12. 4.789 + 0.00

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 multiples of 10 and 100
Solve the following:
1. 245 + 20 =
2. 245 + 200 =
3. 785 - 30 =
4. 785 - 300 =
5. 637 + 50 =
6. 493 - 50 =
7. 478 + 400 =
8. 903 - 500 =
9. 385 + 50=
10. 476 + 70 =
11. 825 - 40 =
12. 731 - 50 =
Challenge Make up apother addition of 10s where both the 10s and 100s
digit change. Make up another subtraction of 10s where both the 10s and 100s digit change.

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## **Practice Sheet Hot**

## Adding and subtracting multiples of 10 and 100 word problems

- Sophie had collected 58 football stickers. Then she bought 20 more. How many does she have now?
- 2. Kent cricket club scored 172 runs in their first innings. They scored a further 300 runs in their second innings. What is their total score?
- 3. Emily had 96 Lego<sup>™</sup> minifigures. She decided to give 70 away. How many did she have left?
- 4. George had 341 days to wait until his birthday. After 200 days wait, how many days were left until the big day?
- 5. There are 273 people in the audience. 40 more people come in. How many altogether?
- 6. There were 222 ants in the colony. If 300 more move in, how many would be in the colony?
- 7. There were 554 fish in a shoal. 50 were eaten by some passing sharks! How many fish are left?
- 8. There were 735 people on the beach. 400 left because it got too hot. How many were left?

#### Challenge

Make up word problems of your own using the following rules:

- just the 10s digit changes.
- just the 100s digit changes.
- both the 10s and the 100s digits change.

## **Practice Sheets Answers**

#### Add and subtract multiples of 10 and 100 (mild)

1. 245 + 20 = 265

- 2. 245 + 200 = 445
- 3. 785 30 = 755
- 4. 785 300 = 485
- 5. 637 + 50 = 687
- 6. 493 50 = 443
- 7. 478 + 400 = 878
- 8. 903 500 = 403
- 9. 385 + 50 = 435
- 10. 476 + 70 = 546
- 11. 825 40 = 785
- 12. 731 50 = 681

#### Challenge

Make up another addition of 10s where both the 10s and 100s digit change. E.g. 567 + 70

Make up another subtraction of 10s where both the 10s and 100s digit change. E.g. 833 - 50

#### Adding and subtracting multiples of 10 and 100 - word problems (hot)

- 1. Sophie has 78 football stickers.
- 2. Kent cricket club has a running total of 472.
- 3. Emily has 26 Lego<sup>™</sup> minifigures left.
- 4. George has 141 days to wait until his birthday.
- 5. There are 313 people in the audience.
- 6. There are 522 ants in the colony hive.
- 7. There are 504 fish left.
- 8. There are 335 people left on the beach.

## A Bit Stuck? Secret Spider

### Work in pairs

### Things you will need:

- A spider
- A 1-100 grid
- Addition and subtraction cards A pencil

### What to do:

- Spread the cards out on the table.
- Choose a card without pointing to it.
  Don't tell your partner which card you chose.
- Use Spider to show the secret addition or subtraction on the grid.
- Can your partner guess which card you chose? If so, you both win 10 points.
- Write the addition or subtraction Spider worked out, including the answer.
- Swap roles and repeat.
  See if you can score at least 50 points.

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$\bigcirc$	35+20=55
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### S-t-r-e-t-c-h:

Choose an addition and work out the answer without using Spider on the grid. Choose a subtraction and work out the answer without using Spider on the grid.

#### Learning outcomes:

- I can add and subtract 20 using a 1-100 grid.
- I am beginning to add and subtract 20 without a 1-100 grid.



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51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
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