## Week 7, Day 1 <br> Subtract 9, 11, 19 and 21

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. They come from our PowerPoint slides.

2. 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...



Subtract near multiples of 10.


Subtract near multiples of 10.

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## Practice Sheet Mild

Subtraction practice

## Part A

| $25-10$ | $25-11$ | $25-9$ |
| :--- | :--- | :--- |
| $42-10$ | $42-11$ | $42-9$ |
| $87-10$ | $87-11$ | $87-9$ |
| $63-10$ | $63-11$ | $63-9$ |
| $74-10$ | $74-11$ | $74-9$ |

Part B

| $22-20$ | $22-21$ | $22-19$ |
| :--- | :--- | :--- |
| $35-20$ | $35-21$ | $35-19$ |
| $46-20$ | $46-21$ | $46-19$ |
| $53-20$ | $53-21$ | $53-19$ |
| $94-20$ | $94-21$ | $94-19$ |
| $68-20$ | $68-21$ | $68-19$ |

## Challenge

Write two 'Top Tips' with these headings:

1. How to subtract 11 by 'adjusting'.
2. How to subtract 19 by 'adjusting'.

## Practice Sheet Hot

## Subtraction practice

## Part A

| $53-20$ | $53-21$ | $53-19$ |
| :--- | :--- | :--- |
| $45-20$ | $45-21$ | $45-19$ |
| $70-20$ | $70-21$ | $70-19$ |
| $59-20$ | $59-21$ | $59-19$ |
| $94-20$ | $94-21$ | $94-19$ |
| $68-20$ | $68-21$ | $68-19$ |

## Part B

| $85-30$ | $85-31$ | $85-29$ |
| :--- | :--- | :--- |
| $65-18$ | $65-12$ | $65-23$ |
| $74-39$ | $106-29$ | $117-39$ |
| $83-20$ | $83-12$ | $83-28$ |
| $101-40$ | $101-43$ | $101-37$ |

## Challenge

Write two 'Top Tips' with these headings:

1. How to subtract 11 by 'adjusting'.
2. How to subtract 19 by 'adjusting'.

## Practice Sheet Answers

## Subtraction practice (Mild)

## Part A

$25-10=15 \quad 25-11=14$
$42-10=32 \quad 42-11=31$
$25-9=16$
$42-10=32$
$42-11=31$
$42-9=33$
$87-10=77$
$87-11=76$
$87-9=78$
$63-10=53 \quad 63-11=52$
$63-9=54$
$74-10=64$
$74-11=63$
$74-9=65$

## Part B

$22-20=2$
$22-21=1$
$22-19=3$
$35-20=15$
$35-21=14$
$35-19=16$
$46-20=26$
$46-21=25$
$46-19=27$
$53-20=33$
$53-21=32$
$53-19=34$
$94-20=74$
$94-21=73$
$94-19=75$
$68-20=48$
$68-21=47$
$68-19=49$

## Challenge

Do children clearly explain the strategy of subtracting 10 , or a multiple of 10 , and adjusting in the appropriate direction?

## Subtraction practice (Hot)

## Part A

$53-20=33$
$53-21=32$
$53-19=34$
$45-20=25$
$45-21=24$
$45-19=26$
$70-20=50$
$70-21=49$
$70-19=51$
$59-20=39$
$59-21=38$
$59-19=40$
$94-20=74$
$94-21=73$
$94-19=75$
$68-20=48$
$68-21=47$
$68-19=49$

## Part B

| $85-30=55$ | $85-31=54$ | $85-29=56$ |
| :--- | :--- | :--- |
| $65-18=47$ | $65-12=53$ | $65-23=42$ |
| $74-39=35$ | $106-29=77$ | $117-39=78$ |
| $83-20=63$ | $83-12=71$ | $83-28=55$ |
| $101-40=61$ | $101-43=58$ | $101-37=64$ |

## Challenge

Do children clearly explain the strategy of subtracting 10 , or a multiple of 10 , and adjusting in the appropriate direction?

## 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.

## 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.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

A Bit Stuck? Secret Spider




