## Week 13, Day 2 <br> Mental strategies to add and subtract.

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...

## Learning Reminders



## Practice Sheet Mild

## Mental addition and subtraction

Solve the following mentally:

1. $£ 2.70+\square=£ 3$
2. $6.3-0.5=$ $\square$
3. $£ 1.98+32 p=$ $\square$
4. $7.9+0.8=$ $\square$
5. 


6. $0.45+\square=1$
7. $£ 3.62+£ 1.28=$ $\square$
8. $\square$ $-26 p=£ 2.99$

## Practice Sheet Hot

## Mental addition and subtraction

$£ 2.68+\square=£ 3$

$$
56,278-6070
$$

$12.5-0.7$
$45.7+0.6$

$$
4.58+\square=5
$$

$$
\square-£ 2.67=£ 2.33
$$

$$
43,020+408
$$

£4.36-37p

$\square+31 p=£ 5$

$$
\square-0.47=0.53
$$

$$
3.25-0.26
$$

$£ 4.78+23 p$

$$
£ 4.65+£ 1.35
$$

$$
£ 10-\square=£ 5.01
$$

## Practice Sheets Answers

Mental addition and subtraction (mild)

1. $£ 2.70+30 \mathrm{p}=£ 3$
2. $6.3-0.5=5.8$
3. $£ 1.98+32 p=£ 2.30$
4. $7.9+0.8=8.7$
5. $7.8-1.1=6.7$
6. $0.45+0.55=1$
7. $£ 3.63+£ 1.28=£ 4.90$
8. $£ 3.25-26 p=£ 2.99$

Mental addition and subtraction (hot)
$£ 2.68+32 p=£ 3$
$56,278-6070=50,208$

$$
12.5-0.7=11.8 \quad 6-0.64=5.36
$$

$45.7+0.6=46.3$

$$
4.58+0.42=5 \quad £ 5-£ 2.67=£ 2.33
$$

$6.45+0.55=7$

$$
43,020+408=43,428
$$

$£ 4.36-37 p=£ 3.99$
$£ 4.69+31 \mathrm{p}=£ 5$
$1-0.47=0.53$
$0.52+0.48=1$
$£ 4.78+23 p=£ 5.01$
$£ 4.65+£ 1.35=£ 6$
$£ 10-£ 4.99=£ 5.01$


## Investigation <br> Quick calculations

Things you will need:

- Mental addition and subtraction cards
- To prepare for this challenge cut up and shuffle both sets of 'Mental addition and subtraction cards' (questions and answers) then spread them all out, face up, on a table.

- There are 21 questions! Predict how many questions and answers you can match in 5 minutes!
- Using a clock/watch/timer to check, match as many questions and answers as you can in 5 minutes.
- How close was your prediction?
- Repeat. Can you match them all this time, or beat your previous time if you matched them all first time?
- Are there any that you find tricky? Put those aside and see if you can find all of the others in 5 minutes. Think about what strategies help with these questions before trying again with the tricky ones.


Write six more of your own questions which use pairs to 100 , including $£ 1$ (e.g. $27 p+73 p$ ) and 1 (e.g. $0.41+0.59$ ). Include examples with empty boxes in the first and second positions, e.g.

$$
\square+27 p=£ 1
$$

$1=0.41+$


Ⓒ Hamilton Trust. Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton



