

Summer term week 3

Maths:

(NB continual work to practise multiplication tables (2, 3, 5 and 10) and learning to tell the time: o'clock, quarter past, half past, quarter to the hour; challenge - to five minutes) Don't forget there are some fun videos on BBC Super Movers KS1 for English and Maths!

All these strategies can be found on Brookside TV.

<https://brooksideleics.primarysite.media/playlist/year-2>

This week we can extend our number knowledge by using exchanging. When we exchange we are changing 1 ten = 10 ones (like exchanging/swapping 10p for 10 1p's).

$$\begin{array}{|l} = \\ \hline \times \times \times \times \times \\ \times \times \times \times \times \end{array}$$

$$10 = 1+1+1+1+1+1+1+1+1+1$$



You can also swap bigger numbers than 10 into ones too! Like 2 tens = 20 ones, 3 tens = 30 ones, 12 = 12 ones.

Can you work out how many **ones** go into these numbers?

1) $5 = 1+1+1+1+1$, 5 ones.

2) $12 =$

3) $20 =$

4) $18 =$

5) $30 =$

6) $30p =$

7) $50p =$

8) $10p =$

9) $32p =$

10) $60p =$

Extra for experts challenge!

1) How many 2's make 50? Can you explain how you worked it out?

2) How many 5's make 100? Explain how you solved it.

3) How many 20's make 200? How did you solve this?

Adding with jottings (crossing the tens): - a nice method with numbers that cross the tens.

Partition both numbers into tens and ones and then add them together. Don't forget you will need to keep counting past the next ten when adding the ones!

$$25 + 17 = 42$$

$$39 + 26 = 65$$

(There are 12 ones here, so if you want you can change these for 1 ten and 2 ones or you can just count them as they are).

(There are 15 ones here, so if you want you can change these for 1 ten and 5 ones or you can just count them as they are).

Now have a go at these:

- 1) $22 + 19$
- 2) $27 + 17$
- 3) $29 + 23$
- 4) $32 + 29$
- 5) $35 + 27$

- 6) $46 + 34$
- 7) $39 + 26$
- 8) $54 + 38$
- 9) $57 + 18$
- 10) $62 + 39$

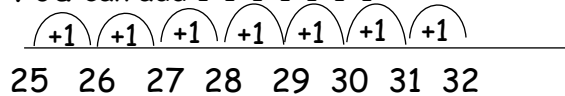
Number line: - Adding tens and ones on a number line.

Below are two different ways you can add ones on a number line and you can add two 2 digit numbers, like you saw in week 1.

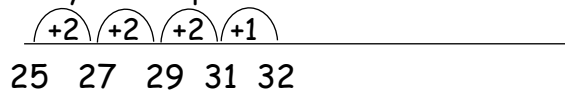
Start with the largest number and then partition the other number. Add the tens and then the ones.

$$25 + 7$$

You can add $1+1+1+1+1+1+1$



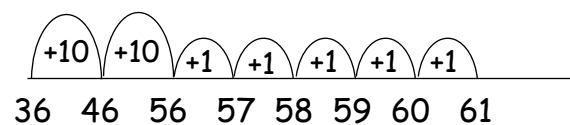
Or you can split the +7 into $2+2+2+1$



Or split the +7 into a $+5+2$



$$25+36=61$$



Now have a go at these:

- 1) $45 + 6$
- 2) $37 + 9$
- 3) $24 + 7$
- 4) $26 + 4$
- 5) $17 + 8$

- 6) $13 + 10$
- 7) $15 + 27$
- 8) $29 + 19$
- 9) $67 + 34$
- 10) $78 + 26$

Word problems (one step) - choose which method from above to use.

1. Tom saw 24 ducks swimming in the pond. He then saw 8 more, how many ducks did Tom see?

2. Jon had 62 cakes at his cake stall. Jane gave him 28 more. How many cakes did he have altogether to sell?
3. Jane got 47 presents for her birthday, James then gave her 38 more. How many birthday presents did she get altogether?
4. Will scored 28 goals in a football match and Pat scored 8 goals, how many goals did their team score?
5. Tim collected 46 stickers from a shop and Lucy collected 39, how many stickers did they collect in total?

Word problems (two step) - choose which method from above to use.

1. I bought a chocolate bar for 55p, some orange squash for 37p and a pear for 7p. How much did I spend?
2. Mrs Willcox has blue sweets, red sweets and yellow sweets. She gives 36 red sweets to the Woodpeckers, 15 blue sweets to the Owls and 14 sweets to year one. How many sweets did she give out altogether?
3. There are 65 children at school. 17 children have a hot dinner, 12 children go home for lunch, how many children have packed lunch?

CHALLENGE:

4. Mr Panting has £1. He buys two lollipops that cost 26p each and a drink for 31p. How much money did Mr Panting have left?

Answers:

Exchanging tens for ones

1) $5 = 1+1+1+1+1$, 5 ones

2) $12 = 1+1+1+1+1+1+1+1+1+1+1+1$, 12 ones

3) $20 = 20$ ones

4) $18 = 18$ ones

5) $15 = 15$ ones

6) $30p = 30$ 1p's

7) $50p = 50$ 1p's

8) $10p = 10$ 1p's,

$1p+1p+1p+1p+1p+1p+1p+1p+1p+1p$

9) $32p = 32$ 1p's

10) $60p = 60$ 1p's

Extra for experts challenge!

1) How many 2's make 50? Can you explain how you worked it out?

25 2's make 50.

$$25 \times 2 = 50$$

Double 25 = 50.

2) How many 5's make 100? Explain how you solved it.

20 5's make 100.

$$20 \times 5 = 100$$

$$5 + 5$$

If you know that 10 5's make 50, then you double this number to make 100.

$$10 \times 5 = 50 \text{ so } 20 \times 5 = 100.$$

3) How many 20's make 200? How did you solve this?

$$20 \times 10 = 200$$

Count in your 10 times table to check it!

Adding with jottings (Crossing tens)

1) $22 + 19 = 41$

2) $27 + 17 = 44$

3) $29 + 23 = 52$

4) $32 + 29 = 61$

5) $35 + 27 = 62$

6) $46 + 34 = 80$

7) $39 + 26 = 65$

8) $54 + 38 = 92$

9) $57 + 18 = 75$

10) $62 + 39 = 101$

Adding on a number line

1) $45 + 6 = 51$

2) $37 + 9 = 46$

6) $13 + 10 = 23$

7) $15 + 27 = 42$

$3) 24 + 7 = 31$

$4) 26 + 4 = 30$

$5) 17 + 8 = 25$

$8) 29 + 19 = 48$

$9) 67 + 34 = 101$

$10) 78 + 26 = 104$

Word problems (one step)

$1) 24 + 8 = 32$

$2) 62 + 28 = 90$

$3) 47 + 38 = 85$

$4) 28 + 8 = 36$

$5) 46 + 39 = 85$

Word problems (two steps)*

$1) 55p + 37p = 92p$

$92p + 7p = 99p$

$2) 36 + 15 = 51$

$51 + 14 = 65$

$3) 65 + 17 = 82$

$82 + 12 = 94$

CHALLENGE:

$4) 26p + 26p = 52p$

$52p + 31p = 83p$

$£1 (100p) - 83p = 17p$

* You may not have done the two steps in exactly the same way but your **answers** should be the same.

You can also add 3 numbers together in one number sentence if your child finds that easier 😊