Hello everyone! We hope you had an enjoyable half term break and found some time to rest too. This week in maths, we are continuing our work on addition and subtraction. You have been working very hard on this so well done!

The sheet may ask you to use base 10 to help you work out the answers. You can do this by cutting out strips of paper with a square for your hundreds, a strip for your tens and a small square for your ones.

Monday 22nd Feb 2021- Subtract a 1-digit number from 2-digits - crossing 10

Watch https://vimeo.com/461351304 and then complete Q. 1, 3 and 4. If you feel like a challenge then have a look at the other questions.

Tuesday 23rd Feb 2021- Subtract a 1-digit number from a 3-digit number - crossing 10

Watch https://vimeo.com/461351796 and then complete questions 1, 2, 3 and 5.

Wednesday 24th Feb 2021- Add and subtract 3-digit and 2-digit numbers - not crossing 100

Watch https://vimeo.com/461352494 and then complete Q. 1,2 and 3. If you feel like a challenge then try the rest of the sheet.

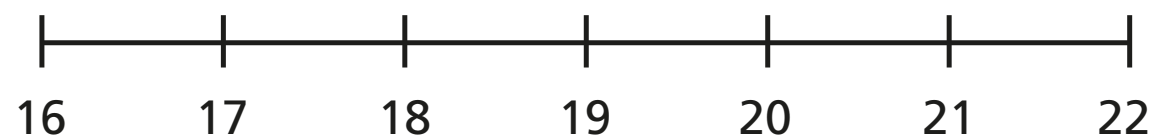**Thursday 25th Feb 2021- Add 3-digit and 2-digit numbers - crossing 100**

Watch https://vimeo.com/461794950 and then have a go at Q.1-4 on the sheet.

Friday 26th Feb 2021- Subtract a 2-digit number from a 3-digit number - crossing 100

Watch https://vimeo.com/461795311 and then focus on Q. 1-3 on your worksheet.

1 **a)** Use the number line to complete the calculations.

```
|——|——|——|——|——|——|
16  17  18  19  20  21  22
```

22 – 1 = ☐   22 – 4 = ☐

22 – 2 = ☐   22 – 5 = ☐

22 – 3 = ☐   22 – 6 = ☐

b) Complete the subtraction.

22 – 7 = ☐

How did you work it out?

Talk to a partner.

2 Use number bonds to complete the subtractions.

The first one has been done for you.

a) 13 – 5

3   2

10 **–** **2** **=** **8**

b) 12 – 9

2   7

10 **–** **7** **=** ☐
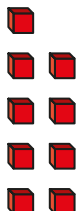
c) 16 – 8

☐   ☐

☐ – ☐ = ☐

3 Complete the subtractions.

a) 14 − 9 = ☐   **d)** 15 − 7 = ☐

b) 14 − 8 = ☐   **e)** 15 − 9 = ☐

c) 17 − 8 = ☐   **f)** 12 − 3 = ☐

4 What is the difference between the numbers?

a)

 − = ☐

b)

 − = ☐

c)

 − = ☐

How did you find the difference?

5 Complete the subtractions.

a) 31 − 7 = ☐   **e)** 74 − 9 = ☐

b) 46 − 9 = ☐   **f)** 64 − 9 = ☐

c) 32 − 8 = ☐   **g)** 54 − 8 = ☐

d) 32 − 3 = ☐   **h)** 41 − 3 = ☐

6 Use the three digit cards to write a subtraction.

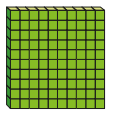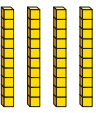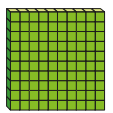| 6 | 7 | 2 |

☐ ☐ − ☐

How many different answers can you find?

What is the greatest difference? ☐

What is the smallest difference? ☐

Subtract a 1-digit number from a 3-digit number – crossing 10

1

H	T	O

a) Work out 245 – 3

Explain your method to a partner.

b) Work out 245 – 8

Talk to your partner about the method you used.

Did you do anything different this time?

2

H	T	O
100 100 100	10	1

Work out 311 – 7

3 Tick the calculations that include an exchange.

a)

273 – 2 ☐   273 – 5 ☐   273 – 8 ☐

b)

395 – 8 ☐   395 – 1 ☐   395 – 5 ☐

c)

412 – 7 ☐   412 – 6 ☐   412 – 3 ☐

4 Complete the number sentences.

Use two jumps on the number lines.

a) 135 – 8 = ☐

126 127 128 129 130 131 132 133 134 135 136

b) 422 – 7 = ☐

413   423
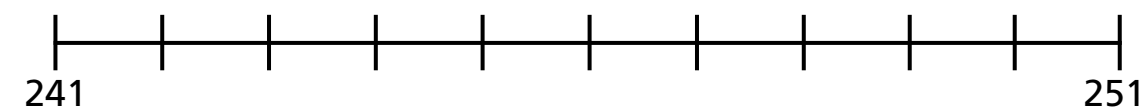
c) 251 – 9 = ☐

241   251
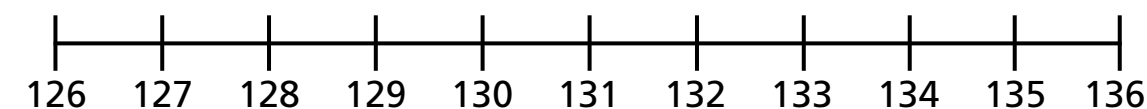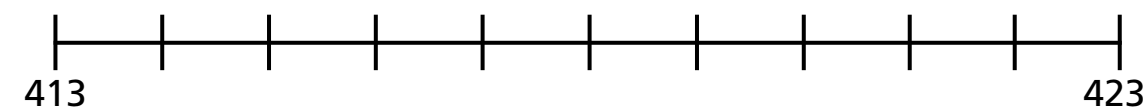
5 A baker bakes 223 loaves of bread.

He eats 6 loaves of bread.

How many loaves of bread does he have left?

☐

6 Complete the number sentences.

a) $315 - 7 = $ ☐

d) ☐ $ = 671 - 3$

b) $662 - 9 = $ ☐

e) $829 - 7 = $ ☐

c) ☐ $ = 471 - 3$

f) $827 - 9 = $ ☐

7 Complete the calculations.

a) $524 - $ ☐ $ = 521$

$524 - $ ☐ $ = 519$

$524 - $ ☐ $ = 517$

b) $18\_ - 5 = 183$

$18\_ - 5 = 178$

$18\_ - 5 = 175$

8 The answer is 507

a) Whose subtraction is correct?

$512 - 9$

Mo

$515 - 8$

Dexter

_____

b) What mistake has the other child made?

9 How many different ways can you complete this calculation?

$36_ - $ ☐ $ = 357$

_____

_____

_____

10 Complete the number sentences.

a) $623 - 7 = 613 + $ ☐
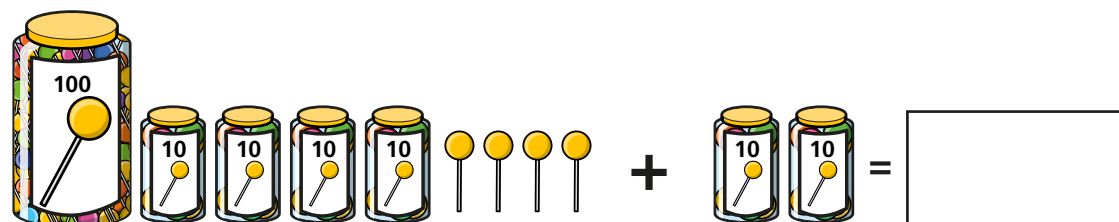
c) $515 - $ ☐ $ = 501 + 7$

b) $125 + 2 = 130 - $ ☐

d) $300 - 8 = $ ☐ $ + 2$

Add and subtract 3-digit and 2-digit numbers – not crossing 100

1 How many lollipops are there in total?

100 **10** **10** **10** **10** + **10** **10** = ⬚

2 Eva has made this number.

Hundreds	Tens	Ones

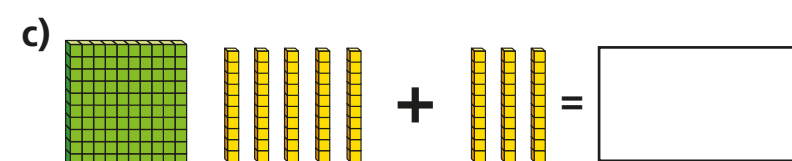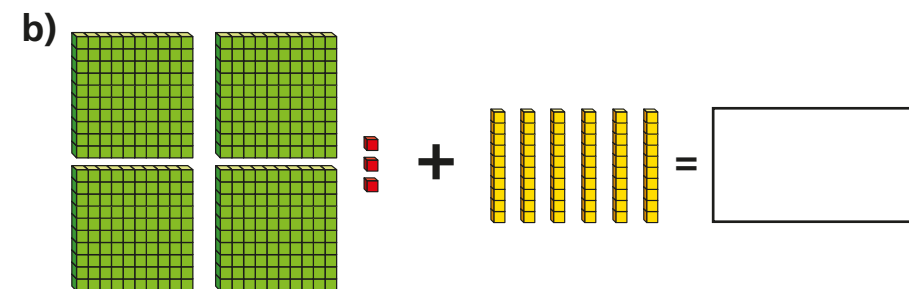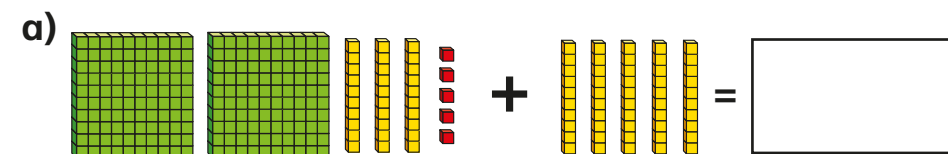**a)** What number has Eva made? ⬚

b) Eva subtracts 40 from her number.

Write a subtraction to show what Eva has done.

⬚ – ⬚

c) What is the answer to the subtraction? ⬚

3 Complete the additions.

a) ⬚ + ⬚ = ⬚

b) ⬚ + ⬚ = ⬚

c) ⬚ + ⬚ = ⬚

4 Use base 10 to help you complete the number sentences.

a) 146 + 30 = ⬚

b) 146 − 30 = ⬚

c) 146 + 50 − 50 = ⬚

5 Use the place value chart to help you complete the number sentences.

H	T	O

a) 742 + 30 = ⬚   **b)** 742 − 30 = ⬚

© White Rose Maths 2019

c) 742 + 50 = ⬚

e) 20 + 742 = ⬚

d) 742 − 20 = ⬚

f) ⬚ = 742 − 40

6 Complete the calculations.

a) 717 + 30 = ⬚   717 + 60 = ⬚

717 + 40 = ⬚   80 + 717 = ⬚

What do you notice?

b) 182 − 30 = ⬚   282 − 30 = ⬚

587 − 30 = ⬚   380 − 30 = ⬚

What do you notice?

7 Here is a subtraction.

487 − 50 = 482

What mistake has been made?

8 Complete the number sentences.

a) 196 − 30 = ⬚

g) ⬚ = 827 + 20

b) 241 + 40 = ⬚

h) 487 − ⬚ = 417

c) 511 − 10 = ⬚

i) 392 − ⬚ = 302

d) 725 + 50 = ⬚

j) ⬚ + 50 = 277

e) 60 + 927 = ⬚

k) ⬚ + 913 = 953

f) ⬚ − 40 = 255

l) 429 − ⬚ = 429

9 Here is a calculation with three missing digits.

726 + _0 − _0 = 7_6

All the missing digits are different.

What could the calculation be?

How many calculations can you find?

_____

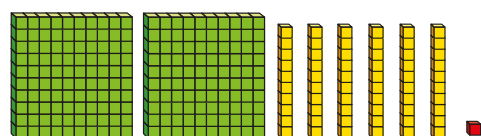_____

_____

1 Use base 10 to help you complete the additions.

a) 261 + 10 = [ ]

c) 261 + 30 = [ ]

b) 261 + 20 = [ ]

d) 261 + 40 = [ ]

What do you notice?

2 Complete the additions.

a)

 : + = [ ]

b)

 : + = [ ]

3 Complete the number sentence.

Use the place value chart to help you.

369 + 70 = [ ]

4
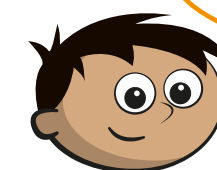
When you add 5 tens to a 3-digit number, only the tens column changes.

Write three examples to show Amir is wrong.

_____

_____

_____

5 Complete the number sentences.

a) 452 + 70 = ☐ **e)** 30 + 784 = ☐

b) 692 + 60 = ☐ **f)** ☐ = 712 + 90

c) 357 + 70 = ☐ **g)** 171 + 50 + 20 = ☐

d) 84 + 70 = ☐ **h)** 256 + 50 + 30 = ☐

6 Complete the number sentences.

349 + ☐ = 429   359 + ☐ = 429

339 + ☐ = 429   ☐ + 399 = 429

7 Work out the missing digits.

a) 772 + _0 = 812

772 + _0 = 822

772 + _0 = 852

b) 3_4 + 60 = 454

3_4 + 60 = 444

3_4 + 60 = 414

8 **a)** What is the smallest possible missing digit?

773 + _0 > 820

b) What is the smallest possible missing digit?

773 + _0 > 824

c) What is the greatest possible missing digit?

773 + _0 < 824

9 A barrel contains 175 litres of water.

175 litres

2 buckets of water are poured into the barrel.

0 litres   0 litres

There is now 265 litres of water in the barrel.

How much water could have been in each bucket?

How many different answers can you find?

_____

_____

1 Use base 10 to make the number 235

a) Complete the subtraction.

235 − 20 =

b) Complete the subtraction.

235 − 30 =

c) Show how you can work out 235 − 50 using base 10

Talk to a partner about how you did it.
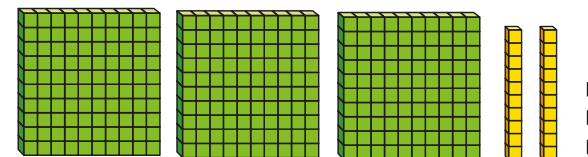
d) Complete the number sentences.

235 − 50 =

235 − 70 =

235 − 90 =

2 Complete the number sentences.

a) 323 − 60 =

b) 712 − 40 =

H	T	O
100 100	10	1 1
100 100		
100 100		
100		

3
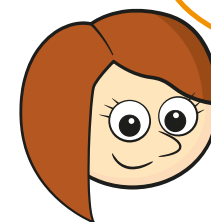
You can't subtract 70 from 624 as there aren't enough tens.

H	T	O
100 100	10 10	1 1
100 100		1 1
100 100		

Rosie is wrong.

How do you know?

4 Complete the number sentences.

a) 720 − 60 = ☐

e) 716 − 50 = ☐

b) 338 − 40 = ☐

f) ☐ = 528 − 90

c) 248 − 60 = ☐

g) 319 − 20 = ☐

d) 937 − 50 = ☐

h) 703 − 80 = ☐

5 The answer to each of these subtractions is 358

Find the possible missing digits.

4_8 − _0 = 358

4_8 − _0 = 358

4_8 − _0 = 358

4_8 − _0 = 358

4_8 − _0 = 358

6 Nijah is working out 524 − 80 in her head.

She says the answer is 464

What mistake do you think Nijah has made?

Talk to a partner.

7 Complete the calculations.

a) 758 − ☐ = 708

e) 163 = 253 − ☐

b) 612 − ☐ = 532

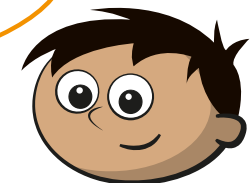**f)** ☐ − 80 = 341

c) 129 − ☐ = 69

g) ☐ − 70 = 603

d) 807 − ☐ = 777

h) ☐ − 40 − 30 = 448

8 Amir is thinking of a number.

If I subtract 20
I don't have to make an exchange.
If I subtract 70 I have to make
1 exchange.

How many tens could Amir's number have?

Give reasons for your answer.

_____

_____

_____