Year 3 Maths Home Learning w/c: 2-11-20

Monday – INSET Day

Tuesday –

Subtracting a 1-digit number from a 2-digit number ①

Discover

Class 2: 35 children

Not in today:
Amira
Hanan
Emma
James
Ali
Bob
Total:

① a) Represent the 35 children in Class 2 using ◉○○○○ and ⬭⬭⬭⬭⬭⬭⬭⬭⬭⬭ .

b) Today 6 children are away.

How many children are in Class 2 today?

☐ – ☐ = ☐

Share

a) Children in Class 2.

b)

We can do the subtraction in two parts. We subtract 5 first.
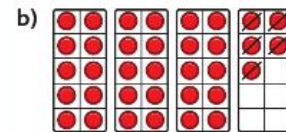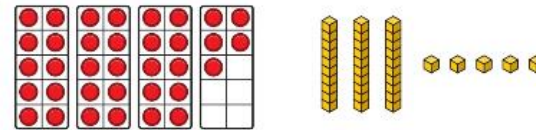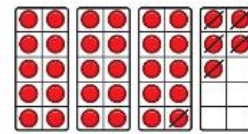
$35 - 5 = 30$
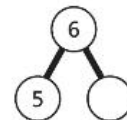
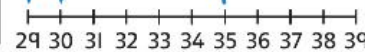I know that if the whole is 6 and one of the parts is 5, then the other part is 1. So I will subtract 1 more.

29 30 31 32 33 34 35 36 37 38 39

$30 - 1 = 29$

$35 - 5 - 1 = 29$

There are 29 children in Class 2 today.

Think together

1
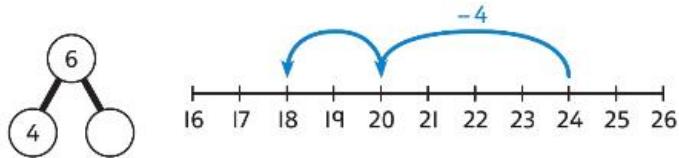
24 children have their hand up.

6 of the children put their hand down.

How many children still have their hand up?

-4

6
4

16 17 18 19 20 21 22 23 24 25 26

$24 - 6 = 24 - 4 - \boxed{} = \boxed{}$

There are $\boxed{}$ children with their hand still up.

94

2 What is 73 – 5?

64   74

$73 - \boxed{} - \boxed{} = \boxed{}$

$73 - 5 = \boxed{}$
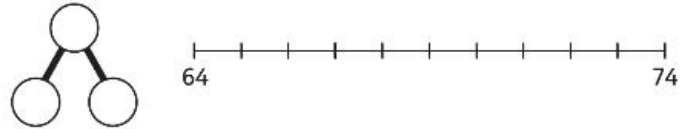
CHALLENGE

3 Copy and complete these number sentences.

a) $34 - 7 = 34 - 4 - \boxed{} = \boxed{}$

b) $46 - 7 = 46 - \boxed{} - 1 = \boxed{}$

c) $55 - 7 = 55 - \boxed{} - \boxed{} = \boxed{}$

d) $4\boxed{} - 7 = 4\boxed{} - 1 - 6 = \boxed{}$

Use a number line to help you.

95

Subtracting a 1-digit number from a 2-digit number ❷

Discover

1 a) Amy puts 1 🥤 in each cup.

How many 🥤 will Amy have left?

b) Amy gives some of the 🥤 she has left to her friend Liam.

Now she has 9 🥤 left.

How many 🥤 did Amy give to Liam?

96

Share

a)
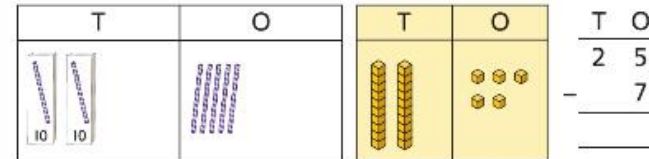
I looked at the ones column first. I exchanged 🟫 for 🔵🔵🔵🔵🔵🔵🔵🔵🔵🔵 so I could subtract 7.
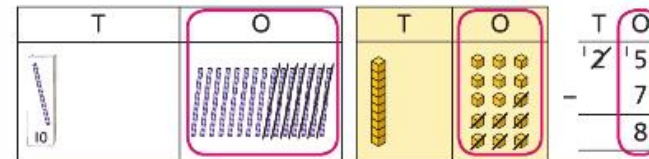
Next, I subtracted the tens. I ten subtract 0 tens is I ten.
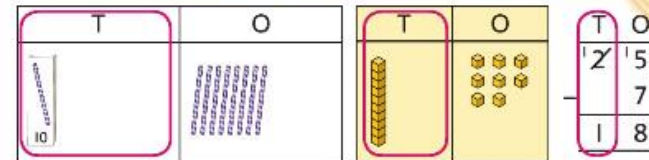
$25 - 7 = 18$

Amy has 18 straws left.

97

b)

$18 - 9 = 9$

Amy gave 9 straws to Liam.

Think together

1 Mai has some bread rolls. She sells 8 of them.
How many bread rolls are left?

T	O

$$\begin{array}{cc} T & O \\ 4 & 3 \\ - & 8 \\ \hline \end{array}$$

T	O

$$\begin{array}{cc} T & O \\ {}^3\cancel{4} & {}^1 3 \\ - & 8 \\ \hline \end{array}$$

There are ☐ bread rolls left.

2 Work out the missing number.

$65 - 9 = $ ☐

CHALLENGE

3 What is the same in these calculations?
What is different?

$$\begin{array}{cc} T & O \\ 3 & 7 \\ - & 4 \\ \hline \end{array} \qquad \begin{array}{cc} T & O \\ 3 & 4 \\ - & 7 \\ \hline \end{array}$$

These calculations have the same digits in.
I think they answer the same question.

I am not sure. I think they give different answers.
I wonder why the answers are different?

→ Practice book 2A p71

Subtracting a 1-digit number from a 2-digit number ❷

1

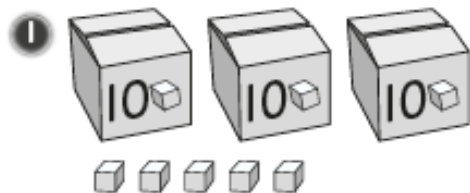Pari uses 6 blocks to build a tower.

How many blocks are left?

Tens	Ones

$$\begin{array}{cc} T & O \\ 3 & 5 \\ - & 6 \\ \hline \end{array}$$

Tens	Ones

$$\begin{array}{cc} T & O \\ {}^2\cancel{3} & {}^1 5 \\ - & 6 \\ \hline \end{array}$$

There are ☐ blocks left.

71

2 Fill in the missing numbers.

Tens	Ones

$$\begin{array}{cc} T & O \\ 5 & 5 \\ - & 8 \\ \hline \end{array}$$

Tens	Ones

I exchanged a ▭ for 10 ⬦, by crossing out a ▭ and drawing 10 ⬦.

3 Fill in each answer.

a)
$$\begin{array}{cc} 6 & 4 \\ - & 7 \\ \hline \end{array}$$
☐ ☐

Tens	Ones

Tens	Ones

b) 81 – 8 = ☐

c) ☐ = 52 – 5

72

4 What mistakes have the children made?

CHALLENGE

What is 93 – 7?

T	O
9	3
–	7
2	3

T	O
9	3
–	7
9	4

_____

_____

Reflect

Work out the answer to 65 – 8. Use two different methods.

Which method do you prefer? Explain why.

_____
_____
_____
_____
_____

73

Wednesday –

Subtracting a 2-digit number from another 2-digit number ④

Discover

Swimming competition.
First to 45 lengths wins.

Susie: 15 lengths   Charlie: 19 lengths   Kay: 27 lengths

Susie
Charlie
Kay

1 a) How many lengths does Susie have left?

b) How many lengths does Kay have left?

Share

a)

Tens	Ones

```
  T  O
  4  5
- 1  5
  3  0
```

Susie has 30 lengths left.

b)

Tens	Ones

```
  T  O
  4  5
- 2  7
```

```
   T   O
  ³4  ¹5
-  2   7
```

```
   T   O
  ³4  ¹5
-  2   7
       8
```

```
   T   O
  ³4  ¹5
-  2   7
   1   8
```

Subtract the ones first, then the tens. If there are no ones left, I need to use a zero.

Remember, one ten is equal to ten ones.

45 − 27 = 18   Kay has 18 lengths left.

Think together

1. Adults swim 64 lengths in a race.

   Mr Peters has swum 47 lengths.

   How many does he have left to swim?

Tens	Ones

   ```
     T O
     6 4
   - 4 7
   ─────
   ```

Tens	Ones

   Mr Peters has ☐ more lengths to swim.

2. Miss Stone has to swim 64 lengths.

   She has 38 lengths left.

   How many lengths has Miss Stone swum?

Tens	Ones

   ```
     T O
     6 4
   - 3 8
   ─────
   ```

   Miss Stone has swum ☐ lengths.

3. Layla swims 43 lengths. Oz swims 18 lengths.

   CHALLENGE

   How many more lengths does Layla swim?

Tens	Ones

   ```
     T O
     ☐ ☐
   - ☐ ☐
   ─────
     ☐ ☐
   ```

   18 ├──────────────────────────┤ 43

   Layla swims ☐ more lengths than Oz.

   I think I can answer this using 2 methods.

   I can still see this as a subtraction as I am finding the difference.

→ Practice book 2A p91

Subtracting a 2-digit number from another 2-digit number ❹

**1** At a party, 15 children eat one 🧁 each.

How many are left?

| Tens	Ones

Tens	Ones

T	O
3	4
– 1	5

2 a) 57 – 28 = ☐   b) 83 – 55 = ☐

Tens	Ones

T	O

Tens	Ones

Tens	Ones

T	O

3 83 – 24 = ☐   ☐ = 54 – 17 ⚡

75 – 39 = ☐   ☐ = 54 – 27

90 – 48 = ☐   17 = 54 – ☐

4 Complete the ⚛.

```
  (73)            (17)   (  )
  (  )  (45)         (53)
```

5 True or false?
When you subtract a number ending in 7 from a number ending in 2, the answer always ends in 5.

CHALLENGE

Reflect

I know I can use subtraction when _____

_____

_____

Subtract a 1-digit number from a 2-digit number – crossing 10

White Rose Maths

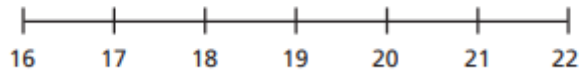**1** a) Use the number line to complete the calculations.


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

22 – 1 = ☐   22 – 4 = ☐

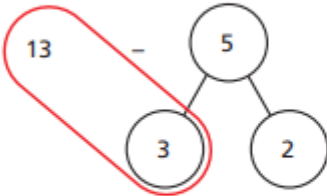22 – 2 = ☐   22 – 5 = ☐
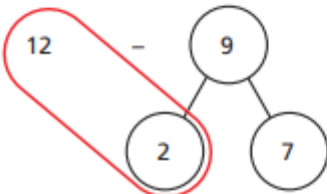
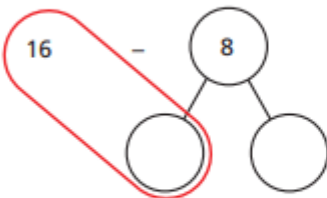22 – 3 = ☐   22 – 6 = ☐

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

☐ – ☐ = ☐

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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? ⬜

Friday - Please watch video: https://vimeo.com/468562834 then complete the activity sheets below.

Subtract 2-digit numbers (2)

White Rose Maths

1 a) What number is represented?

Subtract 12

What number is left?

☐ − 12 = ☐

b) What number is represented?

Subtract 12

What number is left?

☐ − 12 = ☐

What is the same about your answers?
What is different?

2 Use base 10 to complete the subtractions.

a) 23 − 6 = ☐   d) 45 − 26 = ☐

b) 33 − 7 = ☐   e) 63 − 35 = ☐

c) 33 − 17 = ☐   f) 82 − 24 = ☐

3 Tommy is working out 43 − 5

	T	O
	³4̸	¹3
−		5
	3	8

Talk about Tommy's method with a partner.

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4 Complete the subtractions.

a)

	T	O
	2	3
−		6

d)

	T	O
	4	5
−	2	6

b)

	T	O
	3	3
−		7

e)

	T	O
	6	3
−	3	5

c)

	T	O
	3	3
−	1	7

f)

	T	O
	8	2
−	2	4

5 Dexter has 33 bricks.

Rosie has 19 bricks.

a) How many bricks do Dexter and Rosie have altogether?

b) How many more bricks does Dexter have than Rosie?