

Section 1: Addition and Subtraction

TERM 1

Part 1: 1-Digit Numbers

Question 1 | Revision

1. In words: a) 1 is **one** b) 3 is c) 6 is d) 2 is
 e) 4 is f) 7 is g) 5 is h) 8 is

2. The number symbol for:

- a) four is **4** b) three is c) nine is d) five is e) seven is

3. What comes before and after? a) 3 b) 8

4. Study the following symbols:

- a) = is read: "is equal to" e.g. $4 + 2 = 6$
 b) > is read: "is bigger than" e.g. $6 > 5$
 c) < is read: "is smaller than" e.g. $2 < 7$



5. Fill in the symbol > or < in each block to make correct statements.

- a) 4 3 b) 2 5 c) 7 4 d) 8 9

6. Write down the given numbers from the smallest to the biggest.

- a) 3, 5, 2, 1, 8. b) 5, 4, 9, 3, 7.

7. Write down the given numbers from the biggest to the smallest.

- a) 2, 4, 8, 5, 7. b) 3, 5, 1, 9, 7.

8. Study:



1, 3, 5, 7 and 9
are odd numbers.
2, 4, 6 and 8
are even numbers.

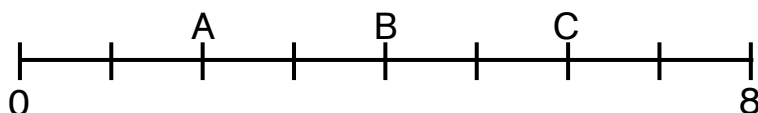
9. Complete:

- a) The even number after 4 is
 b) The odd number before 5 is
 c) The smallest 1-digit even number is
 d) The biggest 1-digit odd number is

10. Write down the first 5 odd numbers.

1				
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11. Fill in the numbers underneath A, B and C.



12. I am the number
between 4 and 6.

Who am I?

13. I am the odd number
between 9 and 5.

Who am I?

Question 2 | Adding two numbers

1. Complete:

a) $2 + 1 = \dots\dots$ b) $2 + 2 = \dots\dots$ c) $3 + 5 = \dots\dots$ d) $2 + 6 = \dots\dots$ e) $4 + 3 = \dots\dots$
 $3 + 2 = \dots\dots$ $3 + 3 = \dots\dots$ $4 + 5 = \dots\dots$ $6 + 2 = \dots\dots$ $3 + 4 = \dots\dots$

2. Study:



Sum means "add".
The sum of 3 and 2 means $3 + 2$ and is equal to 5.

3. Complete:

- a) The sum of 4 and 3 is
- b) The sum of 5 and 4 is
- *c) The sum of two numbers is 8.
The one number is 5. The other number =

4. Fill in the symbol $>$, $<$ or $=$ in each block to make correct statements.

a) $2 + 1$ $3 + 2$ b) $4 + 3$ $3 + 4$ c) $5 + 4$ $6 + 2$
 $= 3$ $= 5$

5. True or False? a) $3 + 5$ is equal to $5 + 3$ b) $6 + 2 = 2 + 6$



6. There are 5 boys and 4 girls in the chess team.
How many learners are there in total in the chess team?

There are learners in the chess team.

7. There are 4 blue buttons and 3 red buttons in a tin. How many buttons are there altogether in the tin? Number of buttons altogether =

8. What number is:

or $3 + 5 = 8$

a) 3 more than 5? $5 + 3 = 8$

b) 4 more than 3?

c) 2 more than 7?

9. Complete:

or $1 + 7 = 8$

a) 1 more than 7 = $7 + 1 = 8$

b) 3 more than 2 =

c) 4 more than 5 =



10. Amy has 4 marbles. John has 2 marbles more than Amy.

How many marbles does John have? John has marbles.

11. Tito eats 3 cookies. His sister, Kelly, eats 1 more cookie than Tito.

a) How many cookies does Kelly eat?

b) How many cookies do Tito and Kelly eat together?

12. When I opened my book, I notice that the page numbers add up to 9.

On which pages do I open my book?

Question 3 | Subtracting two numbers

1. Complete:

- a) $3 - 1 = \dots$ b) $4 - 2 = \dots$ c) $5 - 3 = \dots$ d) $6 - 4 = \dots$ e) $8 - 5 = \dots$
 $8 - 1 = \dots$ $7 - 2 = \dots$ $9 - 3 = \dots$ $7 - 4 = \dots$ $9 - 5 = \dots$

2. Complete:

- a) $8 - 6 = \dots$ b) $9 - 7 = \dots$ c) $9 - 8 = \dots$ d) $8 - 5 = \dots$ e) $7 - 3 = \dots$
 $8 - 2 = \dots$ $9 - 2 = \dots$ $9 - 1 = \dots$ $8 - 3 = \dots$ $7 - 4 = \dots$

3. Study:



Difference means “subtract”.
 The difference between 5 and 3 means $5 - 3$ and is equal to 2.

4. Complete:

- a) The difference between 6 and 2 is
 b) The difference between 8 and 3 is
 *c) The difference between two numbers is 3. The bigger number is 7. Hint: $7 - \square = 3$
 The other number =

5. Fill in the symbol =, > or < in each block to make correct statements.

- a) $9 - 2$ $8 - 2$ b) $8 - 3$ $7 - 2$ c) $7 - 4$ $7 - 3$

6. Kim has 9 pages to read for homework. She reads 5 pages.
 How many pages must Kim still read? Kim must still read pages.

7. Cyril has 8 stamps. He uses 3 of the stamps.
 How many stamps does Cyril have left? Cyril has stamps left.

8. What number is:

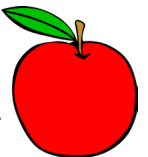
This is the only correct answer

- a) 3 less than 8? $8 - 3 = 5$
 b) 2 less than 9?
 c) 4 less than 7?

9. Complete:

- a) 2 less than 5 = $5 - 2 = 3$
 b) 8 less than 9 =
 c) 5 less than 8 =

10. Jabu has 9 apples. Hanna has 4 apples less than Jabu.
 How many apples does Hanna have? Hanna has apples.



11. Anna does 8 sums. John does 3 sums less than Anna.
 John does sums.

In No. 12 “more than” does not mean that we add.

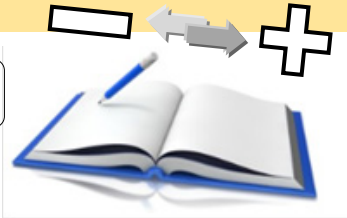
*12. How much more is:

Hint: Work out the difference between the two numbers.

- a) 4 than 3? $4 - 3 = 1$ d) 7 than 4?
 b) 5 than 2? e) 8 than 3?
 c) 6 than 1? f) 9 than 2?



Question 4 | Addition and Subtraction



1. Study: $8 - 6 = 2$ means that $2 + 6 = 8$ or $6 + 2 = 8$.

2. Write two addition sums from each subtraction sum.

- a) $5 - 2 = 3$ b) $7 - 3 = 4$ c) $9 - 1 = 8$

3. Fill in the missing number in each.

- a) $\underline{8} - 2 = 6$ because $6 + 2 = 8$ b) - 3 = 3 c) - 5 = 2 d) - 4 = 5

4. Study: $3 + 2 = 5$ means that $5 - 2 = 3$
and $5 - 3 = 2$

Notice each subtraction sum starts with the bigger number.



5. Write two subtraction sums from each addition sum.

- a) $5 + 1 = 6$ b) $4 + 3 = 7$ c) $7 + 2 = 9$

6. Fill in the missing number in each.

- a) $\underline{2} + 4 = 6$ because $6 - 4 = 2$ b) + 1 = 9 c) $5 + \dots = 8$ d) $3 + \dots = 9$

7. Write another subtraction sum for:

- a) $5 - 3 = 2$ $5 - 2 = 3$ b) $7 - 6 = 1$ c) $9 - 3 = 6$

8. Fill in the missing number in each.

- a) $8 - \underline{3} = 5$ because $8 - 5 = 3$ b) $7 - \dots = 4$ c) $9 - \dots = 4$ d) $7 - \dots = 1$

Question 5 | Adding three numbers

1. Complete:

a) $\boxed{2} \xrightarrow{+2} \boxed{} \xrightarrow{+1} \boxed{}$, $\boxed{2} \xrightarrow{+1} \boxed{} \xrightarrow{+2} \boxed{}$ and $\boxed{2} \xrightarrow{+3} \boxed{}$

b) $\boxed{3} \xrightarrow{+1} \boxed{} \xrightarrow{+3} \boxed{}$, $\boxed{3} \xrightarrow{+3} \boxed{} \xrightarrow{+1} \boxed{}$ and $\boxed{3} \xrightarrow{+4} \boxed{}$

c) $\boxed{3} \xrightarrow{+2} \boxed{} \xrightarrow{+3} \boxed{}$, $\boxed{3} \xrightarrow{+3} \boxed{} \xrightarrow{+2} \boxed{}$ and $\boxed{3} \xrightarrow{+5} \boxed{}$

d) $\boxed{2} \xrightarrow{+5} \boxed{} \xrightarrow{+2} \boxed{}$, $\boxed{2} \xrightarrow{+2} \boxed{} \xrightarrow{+5} \boxed{}$ and $\boxed{2} \xrightarrow{+7} \boxed{}$

2. True or False? a) $3 + 2 + 1 = 3 + 1 + 2$ *b) $2 + 7 = 2 + 3 + 4$

3. Fill in numbers that have the same result as adding 5.

$$\boxed{+1} \rightarrow \boxed{+4} \quad \boxed{+} \rightarrow \boxed{+} \quad \boxed{+} \rightarrow \boxed{+} \quad \boxed{+} \rightarrow \boxed{+}$$

4. Fill in numbers that have the same result as adding 6.

$$\boxed{+4} \rightarrow \boxed{+2} \quad \boxed{+} \rightarrow \boxed{+} \quad \boxed{+} \rightarrow \boxed{+} \quad \boxed{+} \rightarrow \boxed{+} \quad \boxed{+} \rightarrow \boxed{+}$$

5. Complete:

a) $1 + 2 + 3 = \dots$ b) $4 + 3 + 2 = \dots$ c) $1 + 1 + 1 = \dots$

$2 + 1 + 3 = \dots$ $3 + 2 + 4 = \dots$ $2 + 2 + 2 = \dots$

$3 + 1 + 2 = \dots$ $2 + 4 + 3 = \dots$ $3 + 3 + 3 = \dots$

6. Complete:

a) $1 + 2 + \dots = 5$ b) $2 + \dots + 2 = 5$ c) $\dots + 2 + 2 = 6$

$2 + 3 + \dots = 7$ $3 + \dots + 3 = 9$ $\dots + 3 + 1 = 8$

$4 + 1 + \dots = 8$ $2 + \dots + 1 = 7$ $\dots + 1 + 1 = 9$

7. Dad sells 2 watches on Monday, 5 watches on Tuesday and 1 watch on Thursday. He sells watches altogether.



Question 6 | Subtracting three numbers

1. Complete:

a) $5 \xrightarrow{-2} \square \xrightarrow{-1} \square$, $5 \xrightarrow{-1} \square \xrightarrow{-2} \square$ and $5 \xrightarrow{-3} \square$

b) $7 \xrightarrow{-3} \square \xrightarrow{-2} \square$, $7 \xrightarrow{-2} \square \xrightarrow{-3} \square$ and $7 \xrightarrow{-5} \square$

c) $9 \xrightarrow{-1} \square \xrightarrow{-5} \square$, $9 \xrightarrow{-5} \square \xrightarrow{-1} \square$ and $9 \xrightarrow{-6} \square$

2. True or False? To subtract 5, I can first subtract 2 and then subtract 3.

3. Fill in numbers that will have the same result as:

a) subtracting 3.

$$\boxed{-} \rightarrow \boxed{-} \quad \boxed{-} \rightarrow \boxed{-}$$

b) subtracting 4.

$$\boxed{-} \rightarrow \boxed{-} \quad \boxed{-} \rightarrow \boxed{-} \quad \boxed{-} \rightarrow \boxed{-}$$

4. Complete:

a) $5 - 3 = \dots$ b) $7 - 4 = \dots$ c) $9 - 5 = \dots$

$5 - 2 - 1 = \dots$ $7 - 2 - 2 = \dots$ $9 - 1 - 4 = \dots$

$5 - 1 - 2 = \dots$ $7 - 3 - 1 = \dots$ $9 - 2 - 3 = \dots$



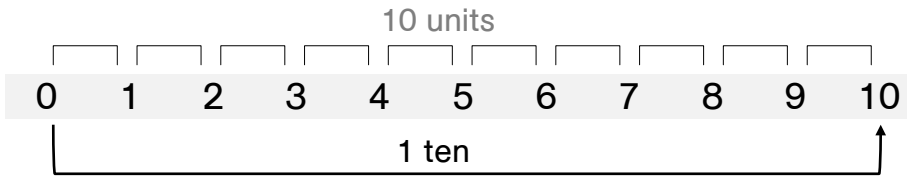
5. Jane has eight sweets. She eats 2 sweets and then another 3.
How many sweets are left?

Part 2: 2-Digit Numbers

Question 7 | Number Facts up to 19: Part 1

1. The number symbol for: 2. Say each number.
- a) ten is 10 b) twelve is c) eighteen is a) 13 b) 14
- d) eleven is e) fifteen is f) nineteen is c) 16 d) 19

3. Study: As shown below, the number after 9 is 10.



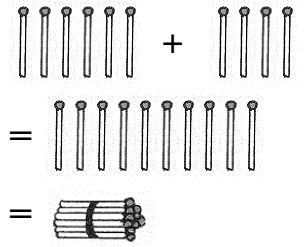
We can think of 10 as: a) 10 “split” units.



or b) 1 group of ten.



Picture adding and grouping matches:



4. Complete:

- a) 9 units + 1 unit =units = ... ten
- b) 6 units + 4 units =units = ... ten
- c) 2 units + 8 units =units = ... ten

5. Complete:

- a) 5 units +units = 10 units = ... ten
- b) 7 units +units = 10 units = ... ten
- c) ... units + 6 units =units = 1 ten

6. Study: In the number 13, 1 and 3 are called digits.
1 is the tens digit and 3 is the units digit.

T	U
1	3



7. Underline the units digit in each.

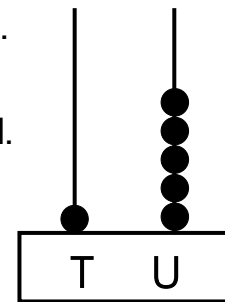
- a) 18 b) 12 c) 17 d) 19

8. Underline the tens digit in each.

- a) 12 b) 14 c) 15 d) 18

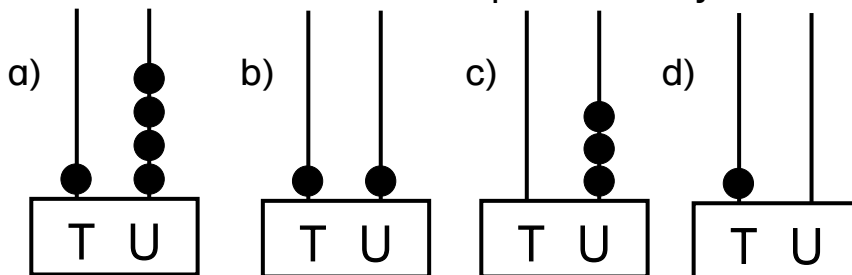
9. On an abacus, beads are used to represent numbers.
The number represented on this abacus is 15, with 1 bead on the tens rod, and 5 beads on the units rod.

Even though there are 10 units in 1 ten, the beads are all the same size.



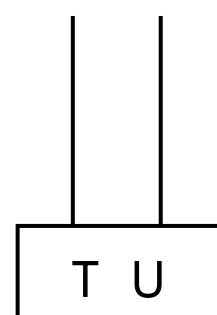
To represent 0, a rod must be empty.

10. Write down the number represented by each.



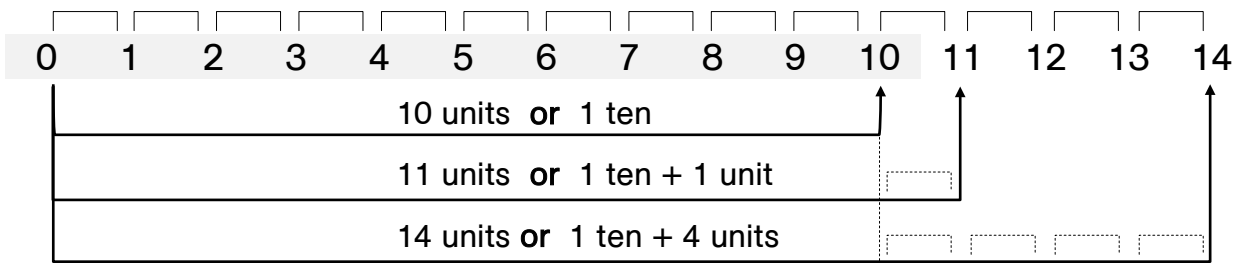
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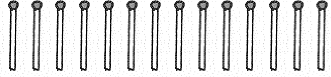
11. Draw 14 on the abacus.




Question 8 | Number Facts up to 19: Part 2

1. Study: As we know, the numbers after 10 are 11, 12, 13, 14 etc.



We can think of 14 as: a) 14 “split” units.  Look at b). We can quickly see that there are 14 matches.

or b) 1 group of ten + 4 units 

2. Complete: a) 13 units = 1 ten + 3 units b) 15 units =ten +units. c) 19 units =ten +units

3. Underline the (total) number of units in each number.
 a) 18 b) 12 c) 18 d) 15 e) 11 f) 17

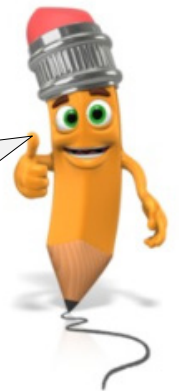
4. JP looks at the number 12 and says:
 “Because the units digit is a two it means that there are only two units in 12.”
 Is he correct?

5. Study: Value is how much a digit in a number is worth.

In the number 16: • the value of the 1 is 10.
 • the value of the 6 is 6.

$16 = 10 + 6$ in expanded form.

We can also write:
 $16 = 1T + 6U$



6. Write in expanded form.
 a) $12 = 10 + 2$ b) $17 = \dots\dots\dots$ c) $13 = \dots\dots\dots$ d) $18 = \dots\dots\dots$

7. Write in expanded form.
 a) $15 = 1T + 5U$ b) $14 = \dots\dots T + \dots\dots U$ c) $16 = \dots\dots T + \dots\dots U$ d) $19 = \dots\dots T + \dots\dots U$

8. Study: a) $10 + 5 = 15 \leftarrow$ short form b) $1T + 5U = 15 \leftarrow$ short form

9. Write in short form: 10. Write in short form:

a) $10 + 3 = 13$ d) $1T + 2U = 12$ a) $4 + \overbrace{10} = 14$ d) $5U + \overbrace{1T} = 15$

b) $10 + 7 = \dots\dots$ e) $1T + 5U = \dots\dots$ b) $6 + 10 = \dots\dots$ e) $4U + 1T = \dots\dots$

c) $10 + 6 = \dots\dots$ f) $1T + 8U = \dots\dots$ c) $9 + 10 = \dots\dots$ f) $8U + 1T = \dots\dots$

Question 9 | Adding Numbers: Part 1

1. Complete: a) $9 + 1 = \dots$ b) $8 + 2 = \dots$ c) $7 + 3 = \dots$ d) $6 + 4 = \dots$
 $1 + 9 = \dots$ $2 + 8 = \dots$ $3 + 7 = \dots$ $4 + 6 = \dots$

2. Complete: a) $5 + \dots = 10$ b) $3 + \dots = 10$ c) $\dots + 4 = 10$ d) $\dots + 2 = 10$

3. Complete:

a) $10 + 1 = \dots$ b) $10 + 3 = \dots$ c) $10 + 6 = \dots$ d) $10 + 9 = \dots$
 $1 + 10 = \dots$ $3 + 10 = \dots$ $6 + 10 = \dots$ $9 + 10 = \dots$

4. Complete:

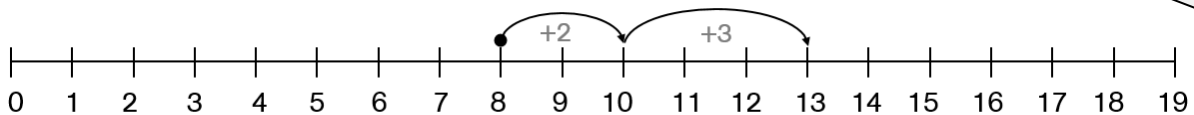
a) $\overbrace{9 + 1} + 4 = 10 + 4$ b) $7 + 3 + 5 = \dots$ c) $8 + 2 + 7 = \dots$
 $= 14$ $= \dots$ $= \dots$
d) $6 + 4 + 3 = \dots$ e) $5 + 5 + 9 = \dots$ f) $3 + 7 + 6 = \dots$
 $= \dots$ $= \dots$ $= \dots$

Question 10 | Adding Numbers: Part 2

[Bridging 10]

1. Study: $8 + 5 = \underline{\quad}$

To add 5, we can add 2 and then add 3.



Adding to 10 is easy.



We can write this out as follows: $8 + 2 + 3$
 $= 10 + 3$
 $= 13$

2. Complete by “filling up” tens.

a) $8 + 3$ b) $9 + 4$ c) $7 + 5$
 $= 8 + 2 + 1$ $= 9 + 1 + 3$ $= \dots$
 $= 10 + 1$ $= \dots$ $= \dots$
 $= 11$ $= \dots$ $= \dots$
d) $8 + 6$ e) $9 + 5$ f) $7 + 6$
 $= \dots$ $= \dots$ $= \dots$
 $= \dots$ $= \dots$ $= \dots$
 $= \dots$ $= \dots$ $= \dots$

3. Complete by doing mental calculations.

a) $8 + 5 = \dots$ f) $7 + 4 = \dots$
b) $9 + 7 = \dots$ g) $8 + 9 = \dots$
c) $7 + 5 = \dots$ h) $7 + 8 = \dots$
d) $8 + 8 = \dots$ i) $9 + 9 = \dots$
e) $9 + 4 = \dots$ j) $8 + 4 = \dots$

4. Fill in the symbol =, > or < to make correct statements.

a) $9 + 2$ $5 + 6$ b) $8 + 5$ $8 + 6$ c) $9 + 7$ $8 + 7$

5. There are 8 boys and 9 girls on the bus.

The total number of learners on the bus =

6. There are nine lemons on a tree. Another 6 lemons grow on the tree.

How many lemons are there now?

7. Complete: a) 3 more than 9 is c) 6 more than 8 =

b) 6 more than 7 is d) 8 more than 5 =

*8. When I opened my book, I notice that the page numbers add up to 15.

On which pages do I open my book?

9. Complete:

a) $\begin{array}{c} \longleftarrow \quad \longrightarrow \\ 8 + 3 + 6 = 11 + 6 \\ = 17 \end{array}$ b) $7 + 5 + 3 = \dots\dots\dots$ c) $9 + 4 + 2 = \dots\dots\dots$
 $ = \dots\dots\dots$ $ = \dots\dots\dots$ $ = \dots\dots\dots$

d) $7 + 6 + 3 = \dots\dots\dots$ e) $8 + 4 + 7 = \dots\dots\dots$ f) $9 + 6 + 3 = \dots\dots\dots$
 $ = \dots\dots\dots$ $ = \dots\dots\dots$ $ = \dots\dots\dots$

10. Mom sells 8 cakes on Monday, 5 cakes on Tuesday and four cakes on Thursday.

She sells cakes altogether.

Question 11 | Subtracting Numbers [Bridging 10]

1. Study: $10 - 2 = 8$ means that $10 - 8 = 2$. (Check $8 + 2 = 10$)

2. Complete: a) $10 - 1 = \dots\dots$ b) $10 - 3 = \dots\dots$ c) $10 - 6 = \dots\dots$ d) $10 - 2 = \dots\dots$

$10 - 9 = \dots\dots$ $10 - 7 = \dots\dots$ $10 - 4 = \dots\dots$ $10 - 8 = \dots\dots$

3. Complete:

a) $12 - \dots\dots = 10$

b) $15 - \dots\dots = 10$

c) $17 - \dots\dots = 10$

d) $19 - \dots\dots = 10$

4. Complete:

a) $\boxed{12} \xrightarrow{-2} \boxed{10} \xrightarrow{-2} \boxed{8}$ means that $\boxed{12} \xrightarrow{-4} \boxed{8}$

b) $\boxed{13} \xrightarrow{-3} \boxed{} \xrightarrow{-4} \boxed{}$ means that $\boxed{13} \xrightarrow{-7} \boxed{}$

c) $\boxed{15} \xrightarrow{-5} \boxed{} \xrightarrow{-3} \boxed{}$ means that $\boxed{15} \xrightarrow{-8} \boxed{}$

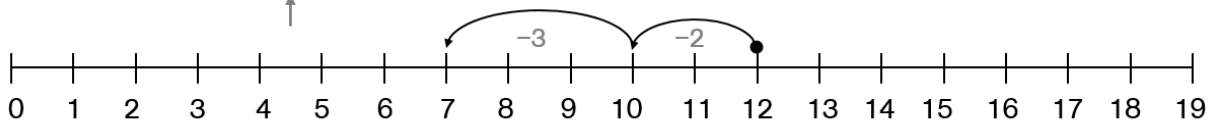


5. Complete:

$$\begin{array}{r} \text{a) } 12 - 2 - 4 = 10 - 4 \\ \quad \uparrow \quad \uparrow \\ \quad \quad = 6 \end{array}$$

$$\text{b) } 15 - 5 - 3 = \dots\dots\dots = \dots\dots\dots$$

$$\text{c) } 14 - 4 - 5 = \dots\dots\dots = \dots\dots\dots$$

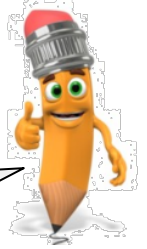
6. Study: $12 - 5 = \underline{\quad}$ To subtract 5, we can subtract 2 and then subtract 3.

We can write this out as follows:

$$\begin{array}{r} 12 - 2 - 3 \\ = 10 - 3 \\ = 7 \end{array}$$

(Check $7 + 5 = 12$)

Subtracting from 10 is easy.



7. Complete:

$$\begin{array}{l} \text{a) } 14 - 5 \\ = 14 - 4 - 1 \\ = 10 - 1 \\ = 9 \end{array}$$

$$\begin{array}{l} \text{b) } 15 - 7 \\ = 15 - 5 - 2 \\ = \dots\dots\dots \\ = \dots\dots\dots \end{array}$$

$$\begin{array}{l} \text{c) } 12 - 4 \\ = \dots\dots\dots \\ = \dots\dots\dots \\ = \dots\dots\dots \end{array}$$

$$\begin{array}{l} \text{d) } 13 - 8 \\ = \dots\dots\dots \\ = \dots\dots\dots \\ = \dots\dots\dots \end{array}$$

$$\begin{array}{l} \text{e) } 11 - 6 \\ = \dots\dots\dots \\ = \dots\dots\dots \\ = \dots\dots\dots \end{array}$$

$$\begin{array}{l} \text{f) } 16 - 9 \\ = \dots\dots\dots \\ = \dots\dots\dots \\ = \dots\dots\dots \end{array}$$

8. Complete:

Answer as quickly as possible.

$$\text{a) } 11 - 2 = 9 \quad \text{and} \quad 11 - 9 = 2$$

$$\text{b) } 12 - 4 = \dots\dots \quad \text{and} \quad 12 - 8 = \dots\dots$$

$$\text{c) } 13 - 6 = \dots\dots \quad \text{and} \quad 13 - 7 = \dots\dots$$

$$\text{d) } 15 - 8 = \dots\dots \quad \text{and} \quad 15 - 7 = \dots\dots$$

$$\text{e) } 14 - 5 = \dots\dots \quad \text{and} \quad 14 - 9 = \dots\dots$$

9. Mpho bakes 15 cupcakes on Monday. By Tuesday, 8 cupcakes are left.

How many cupcakes were eaten?

10. Complete: a) 3 less than 12 is..... c) 7 less than 15 is

b) 4 less than 11 is..... d) 6 less than 13 is

11. The words “more than” do not always mean that we add.

Example: How much more is 13 than 8?**Answer:** 13 is **5 more** than 8.Calculation: We must subtract 8 from 13 $\rightarrow 13 - 8 = 5$

12. How much more is:

$$\text{a) } 12 \text{ than } 9? \quad 12 - 9 = 3 \quad \text{b) } 13 \text{ than } 7? \dots\dots\dots \quad \text{c) } 15 \text{ than } 8? \dots\dots\dots$$

13. Sam reads 15 pages and Jack reads 8 pages.

How many more pages than Jack does Sam read?

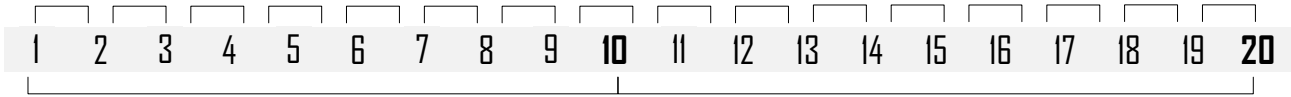
14. There are nine biscuits in one jar and 14 biscuits in another jar.

How many more biscuits are in the 2nd jar than in the 1st?

Question 12 | Number Facts: 20, 30, 40 etc

1. The number symbol for: 2. Say each number.
- a) twenty is 20 b) thirty is c) forty is a) 30 c) 50
 d) sixty is e) fifty is f) ninety is b) 70 d) 80

3. Study: 10 units make 1 ten, therefore 20 units make 2 tens.



We can think of 20 as: a) 20 “split” units.



Look at b). We can quickly see that there are 20 matches.

or b) 2 groups of ten.



4. Complete: a) Thirty = 30 units or 3 tens. d) Fifty =units ortens.
 b) Forty =units ortens. e) Seventy =units ortens.
 c) Sixty =units ortens. f) Ninety =units ortens.

5. Pravina looks at the number 20 and says:

“Because the units digit is a zero it means that there are zero units in 20.”
 Is she correct?

6. Complete: a) 2 tens + 3 tens = 5 tens b) 3 tens + 4 tens =tens c) 5 tens + 4 tens =tens

7. Study: $50 + 30 = 80$ Think: “5 tens + 3 tens = 8 tens or 80”.

8. Complete:

- a) $30 + 10 = \dots$ b) $20 + 20 = \dots$ c) $40 + 30 = \dots$ d) $50 + 30 = \dots$
 $30 + 20 = \dots$ $30 + 30 = \dots$ $30 + 40 = \dots$ $50 + 40 = \dots$

9. Complete: a) 6 tens – 2 tens = tens b) 7 tens – 3 tens = tens c) 9 tens – 4 tens = tens

10. Complete: a) $30 - 10 = \dots$ b) $60 - 20 = \dots$ c) $80 - 30 = \dots$
 $30 - 20 = \dots$ $60 - 40 = \dots$ $80 - 50 = \dots$

11. Complete:

- a) $10 + 20 + 30 = \dots$ b) $40 + 30 + 20 = \dots$ *c) $90 - 20 - 30 = \dots$
 $20 + 10 + 30 = \dots$ $30 + 20 + 40 = \dots$ $90 - 30 - 20 = \dots$

Question 13 | Number Facts up to 99: Part 1

1. The number symbol for:

- a) twenty-three is 23
- b) thirty-seven is
- c) forty-one is
- d) fifty-eight is
- e) seventy-two is
- f) eighty-eight is
- g) ninety-six is
- h) sixty-nine is

2. Say each number.

- a) 25
- b) 36
- c) 44
- d) 68
- e) 52
- f) 86
- g) 79
- h) 97

3. What comes before and after?

- a) 56
- b) 25
- c) 68

4. Fill in the symbol > or < in each block to make correct statements.

- a) 14 13
- b) 25 28
- c) 40 30
- d) 65 75
- e) 23 32
- f) 66 65
- g) 68 86
- h) 94 49

5. Write the given numbers from the smallest to the biggest.

- a) 43, 47, 49, 41, 45.
- b) 32, 54, 65, 43, 23.

6. Which number is smaller? a) 23 or 32. c) forty-five or fifty-four.

Ring your answer.

- b) 96 or 69. d) eighty-seven or seventy-eight.

Question 14 | Number Facts up to 99: Part 2

1. Underline the units digit in each.

- a) 18
- b) 42
- c) 57
- d) 89

2. Underline the tens digit in each.

- a) 21
- b) 34
- c) 55
- d) 78

3. Write down the number represented by each.

a)

T U

.....

b)

T U

.....

c)

T U

.....

d)

T U

.....

Even though there are 10 units in 1 ten, the beads are all the same size.

4. Draw beads to show thirty-four on the abacus.

5. Write down the value of each underlined digit.

- a) 89 80 b) 67 c) 73 d) 35 e) 53

6. Write in expanded form.

- a) $46 = 40 + 6$ b) $37 = \dots\dots\dots$ c) $58 = \dots\dots\dots$ d) $92 = \dots\dots\dots$

7. Write in expanded form.

- a) $25 = 2 \text{ tens} + 5 \text{ units}$ b) $43 = \dots \text{ tens} + \dots \text{ units}$ c) $66 = \dots \text{ tens} + \dots \text{ units}$

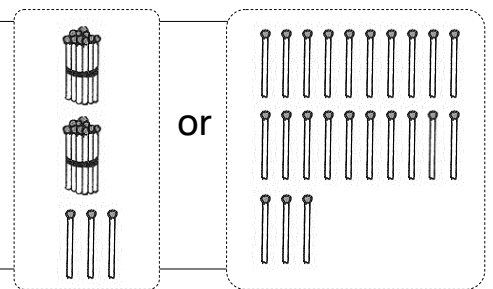
8. Write down the position (T or U) of each underlined digit.

- a) 23 T b) 45 c) 6 d) 89 e) 37

9. My units digit is a 4 and my tens digit is a seven. What number am I?

10. Study: We know that **twenty = 20 units or 2 tens.**

From this it follows that $23 = 2 \text{ tens} + 3 \text{ units}$
 $= 20 \text{ units} + 3 \text{ units}$
 $= 23 \text{ units.}$



11. Complete: a) Twenty-eight b) Thirty-five c) Fifty-nine
 $= 2 \text{ tens} + 8 \text{ units}$ $= \dots \text{ tens} + \dots \text{ units}$ $= \dots \text{ tens} + \dots \text{ units}$
 $= 20 \text{ units} + 8 \text{ units}$ $= \dots \text{ units} + \dots \text{ units}$ $= \dots \text{ units} + \dots \text{ units}$
 $= 28 \text{ units}$ $= \dots \text{ units}$ $= \dots \text{ units}$

12. Underline the (total) number of units in: a) 32 b) 48 c) 59 d) 82

13. Kerry looks at the number 54 and says:

"Because the units digit is a four it means that there are four units in 54."

Is she correct?

Question 15 | Number Facts up to 99: Part 3 [Short Form]

1. Complete: a) $5 \text{ units} + 3 \text{ units} = 8$ (8 units)
 $5 \text{ tens} + 3 \text{ tens} = 80$ (8 tens)
 but $5 \text{ tens} + 3 \text{ units} = 53$ b) $7 \text{ units} + 2 \text{ units} = \dots\dots\dots$
 $7 \text{ tens} + 2 \text{ tens} = \dots\dots\dots$
 but $7 \text{ tens} + 2 \text{ units} = \dots\dots\dots$

2. Write in short form:

- a) $5T + 2U = 52$ d) $40 + 3 = 43$ b) $4U + 6T = \dots\dots\dots$ e) $6 + 70 = \dots\dots\dots$
 c) $3T + 6U = \dots\dots\dots$ f) $80 + 5 = \dots\dots\dots$ c) $8U + 3T = \dots\dots\dots$ f) $8 + 50 = \dots\dots\dots$

3. Write in short form:

- a) $5U + 2T = 25$ d) $4 + 30 = 34$
 b) $4U + 6T = \dots\dots\dots$ e) $6 + 70 = \dots\dots\dots$
 c) $8U + 3T = \dots\dots\dots$ f) $8 + 50 = \dots\dots\dots$

Question 16 | Adding two numbers: Answers up to 99

1. Calculate: *Always add the units digits first.*

a) $35 + 24$ T U

5	+	4	=		9
30	+	20	=	5	0
35	+	24	=	5	9

b) $25 + 44$ T U

	+		=		
	+		=		
	+		=		

c) $35 + 43$ T U

	+		=		
	+		=		
	+		=		

d) $29 + 43$ T U

9	+	3	=	1	2
20	+	40	=	6	0
29	+	43	=	7	2

e) $37 + 46$ T U

	+		=		
	+		=		
	+		=		

f) $69 + 28$ T U

	+		=		
	+		=		
	+		=		

2. Find the sum of 35 and 28.

3. Add 38 to 36.

4. What number is 23 more than 59?

5. 37 increased by 15 = ____

Question 17 | Problem Solving (+)



1. There are 23 girls and 15 boys in our class today.
The number of learners in our class today =
2. There are 29 books on one shelf and 38 books on another shelf.
How many books are there on both shelves?
3. Joan invites 17 boys to her party. She invites 5 more girls than boys.
 - a) How many girls are invited?
 - b) How many friends are invited altogether?

4. There are 25 marbles in one bag and 7 more marbles in another bag.
- a) How many marbles are in the second bag?
- b) How many marbles are in both bags?
5. Ben sells 18 watches in April.
In May, he sells 15 more watches than in April.
How many watches did he sell in total?

Question 18 | Counting Forwards in 1s, 2s, 5s and 10s

1. Counting in ones, fill in the missing numbers between 15 and 25.

15										25
----	--	--	--	--	--	--	--	--	--	----

2. Counting in twos,

- a) fill in the missing numbers between 0 and 20.

0	2	4								20
---	---	---	--	--	--	--	--	--	--	----

- b) fill in the missing numbers between 60 and 80.

60	62	64								80
----	----	----	--	--	--	--	--	--	--	----

3. Say and then write down the next three numbers.

a) 2; 4; 6; 8;;; c) 42; 44; 46; 48;;;

b) 24; 26; 28; 30;;; d) 78; 80; 82; 84;;;

4. Counting in fives,

- a) fill in the missing numbers between 0 and 50.

0	5	10								50
---	---	----	--	--	--	--	--	--	--	----

- b) fill in the missing numbers between 35 and 85.

35	40	45								85
----	----	----	--	--	--	--	--	--	--	----

5. Say and then write down the next three numbers.

a) 5; 10; 15; 20;;; b) 65; 70; 75; 80;;;

6. Counting in 10s, fill in the missing numbers between 10 and 100.

10										100
----	--	--	--	--	--	--	--	--	--	-----

Question 19 | Subtracting two numbers: without “borrowing”

1. Calculate: *Always subtract the units digits first.*

a) $56 - 24$ T U

6	-	4	=		2
50	-	20	=	3	0
56	-	24	=	3	2

b) $59 - 42$ T U

	-		=		
	-		=		
	-		=		

c) $87 - 65$ T U

	-		=		
	-		=		
	-		=		

d) $95 - 31$ T U

	-		=		
	-		=		
	-		=		

e) $77 - 23$ T U


	-		=		
	-		=		
	-		=		

f) $89 - 56$ T U

	-		=		
	-		=		
	-		=		

Question 20 | Subtracting two numbers: with “borrowing”

1. Complete:

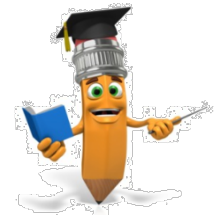
a) You have 5 sweets and eat 2 of the sweets. 
How many sweets do you have left?

b) If you only have 2 sweets, will you be able to eat 5 sweets?

c) Is $5 - 2$ equal to $2 - 5$?



2. Study: Two numbers cannot be subtracted in any order.
For example, $7 - 3$ is not equal to $3 - 7$.



3. Rewrite each number to make the units “part” 10 units more.

a) $23 = 20 + 3$ b) $34 = \dots + \dots$ c) $52 = \dots + \dots$ d) $75 = \dots + \dots$
 $= 10 + 13$ $= \dots + \dots$ $= \dots + \dots$ $= \dots + \dots$

4. Calculate: *Always subtract the units digits first.*

a) $42 - 23$ T U

30 →

12	-	3	=		9
40	-	20	=	1	0
42	-	23	=	1	9

b) $54 - 18$ T U

	-		=		
	-		=		
	-		=		

c) $73 - 56$ T U

	-		=		
	-		=		
	-		=		

Notice: $42 = 30 + 12$

d) $51 - 37$

	-		=		
	-		=		
	-		=		

e) $95 - 66$

	-		=		
	-		=		
	-		=		

f) $82 - 39$

	-		=		
	-		=		
	-		=		

Question 21 | Problem Solving (-)

1. a) Mom bakes 85 cupcakes to sell at the market. She sells 73 of her cupcakes. How many cupcakes does she have left?
- b) Sally's mom also bakes 85 cupcakes to sell at the market. She only sells 58 of her cupcakes. How many cupcakes does she have left?
2. There are 25 girls and 18 boys in our class today. How many more girls than boys are there?
3. Themba has 32 stamps. She gives some stamps to her friend and now has 25 stamps left. How many stamps did she give away?

Do your working out on a separate piece of paper.

Question 22 | Mixed Questions

1. Calculate:

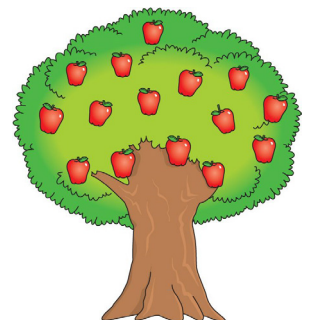
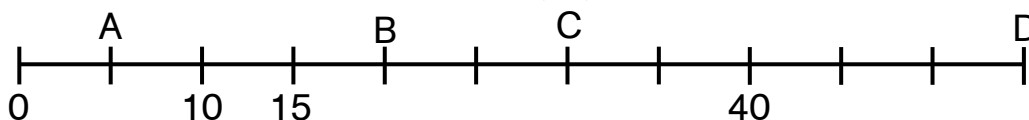
a) $47 + 23$

b) $53 - 27$

c) $36 + 59$

2. Jane brings 45 cupcakes to school for her birthday. She gives 19 girls and 17 boys a cupcake each.
- a) How many cupcakes does she give away in total?
- b) Jane eats 1 cupcake. How many cupcakes does she have left?
3. After seven apples fall from a tree, it has 15 apples left. How many apples did the tree have originally?

4. Fill in the numbers underneath A, B, C and D.



5. Complete: a) In 43, is the tens digit and is the units digit.
 b) In 58, is the units digit and is the tens digit.
 c) Fifty-six = units = tens + units.
 d) Eighty-seven = units = tens + units.
6. The largest number with: a) 2 digits is b) 2 different digits is
- *7. I am a number between 30 and 40.
 My units digit is 5 more than my tens digit. What number am I?
8. Write down the value of each underlined digit.
 a) 49 b) 56 c) 18 d) 73 e) 37

Part 3: 3-Digit Numbers (including 1000)

Question 23 | Number Names and Symbols: Part 1

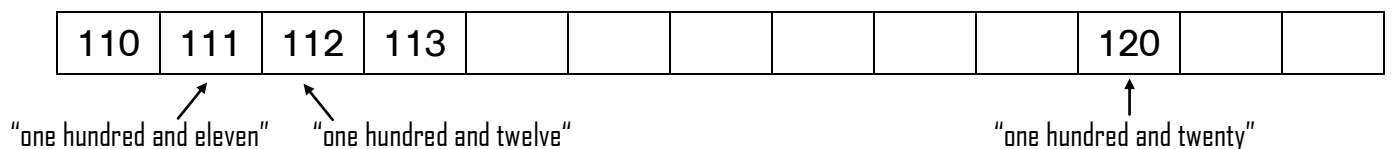
1. Study: So far we have worked with 2-digit numbers up to 99.
 The number after ninety-nine is one hundred (100). It has 3 digits.
 The number after 100 is 101 and then 102, 103, 104 etc.

In 90 there are 9 tens, therefore in 100 there are 10 tens. We will learn more about this in Term 2.

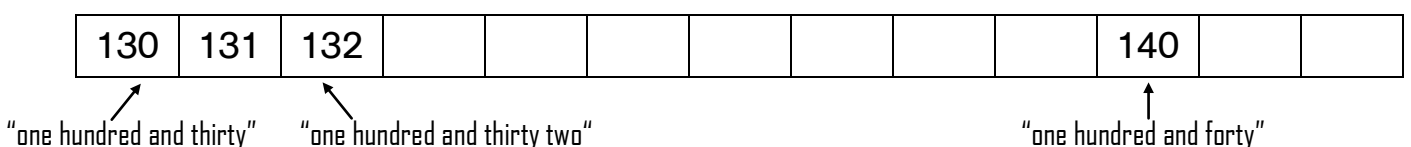
2. The number after: a) 99 is b) 100 is c) 107 is
3. The number symbol for:
 a) one hundred and three is 103 c) one hundred and seven is
 b) one hundred and six is d) one hundred and nine is

4. Study: The number after 109 is 110 (*one hundred and ten*).

5. Say and then write down the missing numbers.



6. Say and then write down the missing numbers.



7. The number after: a) 109 is b) 119 is c) 139 is d) 169 is

8. The number symbol for:

- a) one hundred and twenty four is 124. c) one hundred and thirty two is
- b) one hundred and fifty seven is d) one hundred and ninety nine is

Question 24 | Counting Forwards in 2s, 5s and 10s

1. Counting in twos, fill in the missing numbers between 120 and 140.

120	122	124								140
-----	-----	-----	--	--	--	--	--	--	--	-----

2. Write down the next five numbers.

- a) 142; 144 ; 146 ; ; ; ; ;
- b) 174; 176 ; 178 ; ; ; ; ;

3. Counting in fives, fill in the missing numbers between 125 and 175.

125	130	135								175
-----	-----	-----	--	--	--	--	--	--	--	-----

4. Write down the next five numbers.

95; 100 ; 105 ; ; ; ; ;

5. Counting in 10s, fill in the missing numbers between 100 and 200.

100										200
-----	--	--	--	--	--	--	--	--	--	-----

Question 25 | Number Names and Symbols: Part 2

1. Study: The number after 199 is two hundred (200).
The next hundred is 300 then 400, 500, 600 etc.

After 900 comes one thousand (1000).
We will learn more about this later on.

2. The number symbol for:

- a) two hundred is 200. c) four hundred is a) 300 c) 500
- b) six hundred is d) nine hundred is b) 700 d) 800

3. Say each number.

4. Count in hundreds from 1 hundred to 1 thousand.

100	200									1000
-----	-----	--	--	--	--	--	--	--	--	------

5. Write down the number symbol for:

- a) two hundred and seventy-three. 273 d) five hundred and thirty-seven.
- b) three hundred and ninety-five. e) nine hundred and thirty.
- c) four hundred and sixty. f) eight hundred and seven.

6. Say each number.

- a) 220 e) 608
 b) 352 f) 785
 c) 490 g) 888
 d) 517 h) 945

7. What comes before and after?

- a) 125 d) 209
 b) 469 e) 555
 c) 730 f) 976

8. Which number is bigger? a) 320 or 230. b) 625 or 652. c) 799 or 977.
 Ring your answer.

9. Write down the given numbers from the smallest to the biggest.

- a) 245, 205, 285, 215, 295.
 b) 122, 201, 212, 112, 221.

Question 26 | Counting Forwards in 1s, 2s, 5s, 10s, 50s and 100s

1. Counting in ones, fill in the missing numbers:

342	343									352
-----	-----	--	--	--	--	--	--	--	--	-----

2. Counting in twos,

a) fill in the missing numbers between 240 and 260.

240	242									260
-----	-----	--	--	--	--	--	--	--	--	-----

b) fill in the missing numbers between 372 and 392.

372	374									392
-----	-----	--	--	--	--	--	--	--	--	-----

3. Counting in fives, fill in the missing numbers between 400 and 450.

400	405	410								450
-----	-----	-----	--	--	--	--	--	--	--	-----

4. Counting in tens, fill in the missing numbers between 500 and 600.

500	510	520								600
-----	-----	-----	--	--	--	--	--	--	--	-----

5. Counting in fifties, fill in the missing numbers between 200 and 700.

200	250	300								700
-----	-----	-----	--	--	--	--	--	--	--	-----

6. Say and then write down the next five numbers. [Mixed Questions]

- a) 200; 300; 400;;;;;
 b) 254; 256; 258;;;;;
 c) 625; 630; 635;;;;;