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CLASS NOTES

CLASS:- 2 A+ B

SUB:- MATHS

TOPIC:- GIVE AND TAKE



LET US REMEMBER

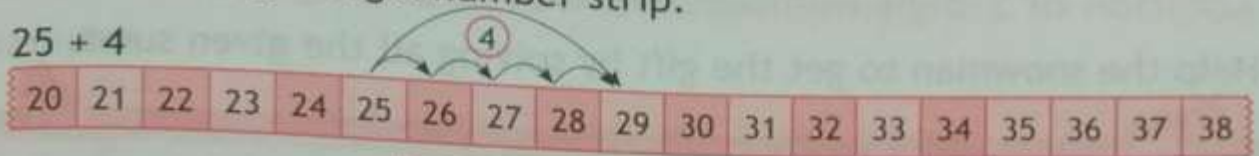
- When you add two numbers, the order of the numbers do not change the answer. For example, $7 + 8 = 15$; $8 + 7 = 15$.
- When 0 is added to any number, the answer you get is the number itself. For example, $5 + 0 = 5$; $0 + 8 = 8$.
- When you add 1 to a given number, the answer you get is the number that comes just after the given number. For example, $7 + 1 = 8$; $1 + 9 = 10$.

Write the greatest and the smallest numbers using the given digits. No. digits is to be repeated:-

DIGITS	GREATEST NUMBERS	SMALLEST NUMBERS
1. 1, 2, 3	Ans. 321	Ans. 123
2. 2, 3, 4	Ans. 432	Ans. 234
3. 2, 4, 5	Ans. 542	Ans. 245
4. 3, 6, 7	Ans. 763	Ans. 367
5. 1, 6, 7	Ans. 761	Ans. 167
6. 2, 8, 9	Ans. 982	Ans. 289
7. 3, 0, 5	Ans. 530	Ans. 305
8. 4, 6, 7	Ans. 764	Ans. 467

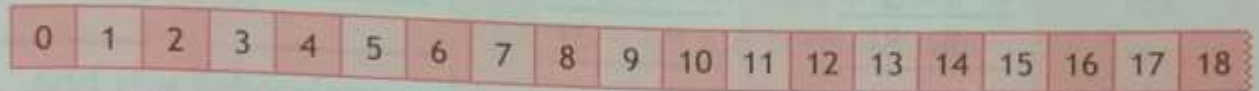
Add the following using a number strip.

1. $25 + 4$



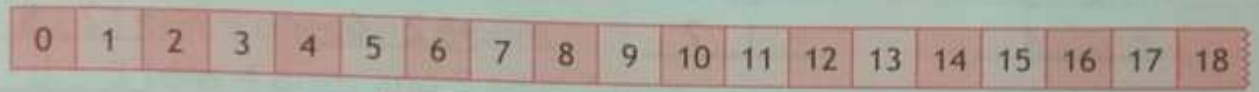
$25 + 4 = \dots\dots 29 \dots\dots$

2. $7 + 5$



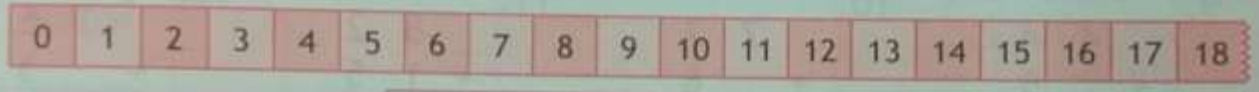
$7 + 5 = \dots\dots\dots$

3. $9 + 7$



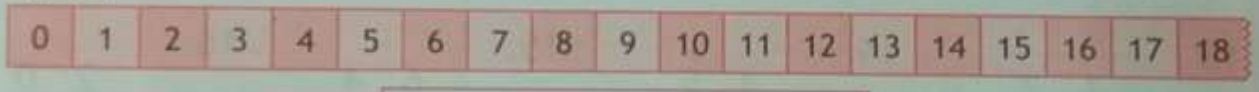
$9 + 7 = \dots\dots\dots$

4. $6 + 8$



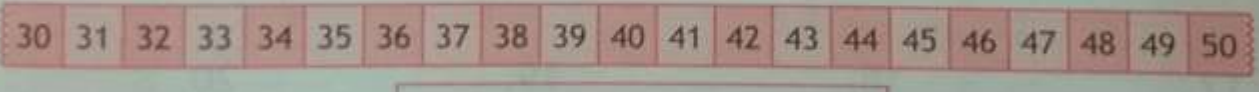
$6 + 8 = \dots\dots\dots$

5. $10 + 7$



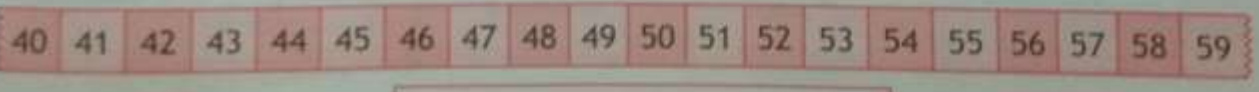
$10 + 7 = \dots\dots\dots$

6. $37 + 6$



$37 + 6 = \dots\dots\dots$

7. $43 + 7$



$43 + 7 = \dots\dots\dots$

Addition of 2-digit Numbers without Regrouping

Help the snowman to get the gift by solving all the given sums.



1.

$$\begin{array}{r} 43 \\ + 15 \\ \hline 58 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 22 \\ + 7 \\ \hline \\ \hline \end{array}$$

3.

$$\begin{array}{r} 32 \\ + 5 \\ \hline \\ \hline \end{array}$$

4.

$$\begin{array}{r} 15 \\ + 13 \\ \hline \\ \hline \end{array}$$

5.

$$\begin{array}{r} 25 \\ + 4 \\ \hline \\ \hline \end{array}$$

6.

$$\begin{array}{r} 21 \\ + 17 \\ \hline \\ \hline \end{array}$$

7.

$$\begin{array}{r} 70 \\ + 26 \\ \hline \\ \hline \end{array}$$

8.

$$\begin{array}{r} 34 \\ + 25 \\ \hline \\ \hline \end{array}$$

9.

$$\begin{array}{r} 44 \\ + 5 \\ \hline \\ \hline \end{array}$$

10.

$$\begin{array}{r} 72 \\ + 6 \\ \hline \\ \hline \end{array}$$

11.

$$\begin{array}{r} 82 \\ + 15 \\ \hline \\ \hline \end{array}$$

12.

$$\begin{array}{r} 35 \\ + 3 \\ \hline \\ \hline \end{array}$$

13.

$$\begin{array}{r} 17 \\ + 32 \\ \hline \\ \hline \end{array}$$

14.

$$\begin{array}{r} 45 \\ + 14 \\ \hline \\ \hline \end{array}$$

15.

$$\begin{array}{r} 64 \\ + 23 \\ \hline \\ \hline \end{array}$$

16.

$$\begin{array}{r} 20 \\ + 37 \\ \hline \\ \hline \end{array}$$

17.

$$\begin{array}{r} 15 \\ + 22 \\ \hline \\ \hline \end{array}$$

18.

$$\begin{array}{r} 46 \\ + 23 \\ \hline \\ \hline \end{array}$$

19.

$$\begin{array}{r} 34 \\ + 53 \\ \hline \\ \hline \end{array}$$

20.

$$\begin{array}{r} 60 \\ + 27 \\ \hline \\ \hline \end{array}$$

Addition of 2-digit Numbers with Regrouping

Examples:

$$\begin{array}{r} \textcircled{1} \\ 56 \\ + 27 \\ \hline 83 \end{array}$$

Add 5 tens 3 ones and 1 tens 6 ones.

$$5 \text{ tens } 3 \text{ ones} = 50 + 3 = 53$$

$$1 \text{ tens } 6 \text{ ones} = 10 + 6 = 16$$

$$\begin{aligned} \text{Thus, } 5 \text{ tens } 3 \text{ ones} + 1 \text{ tens } 6 \text{ ones} \\ = 53 + 16 = 69 = 6 \text{ tens } 9 \text{ ones} \end{aligned}$$

1. Add the following:
 - a. 2 tens 5 ones and 2 tens 6 ones
 - b. 7 tens 2 ones and 9 ones
 - c. 1 ten 9 ones and 8 ones
 - d. 3 tens 4 ones and 5 tens 7 ones
2. Your class teacher has displayed some of the sums on the noticeboard for the students to solve. Can you solve these sums?

The noticeboard contains the following addition problems on sticky notes:

$\begin{array}{r} 83 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 67 \\ + 28 \\ \hline \end{array}$	$\begin{array}{r} 35 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ + 18 \\ \hline \end{array}$
$\begin{array}{r} 74 \\ + 17 \\ \hline \end{array}$	$\begin{array}{r} 24 \\ + 37 \\ \hline \end{array}$	$\begin{array}{r} 59 \\ + 32 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ + 9 \\ \hline \end{array}$
$\begin{array}{r} 54 \\ + 19 \\ \hline \end{array}$	$\begin{array}{r} 62 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 35 \\ + 26 \\ \hline \end{array}$	$\begin{array}{r} 28 \\ + 5 \\ \hline \end{array}$

Addition of 3- and 4-digit Numbers without Regrouping

1. Add the following:

1.

$$\begin{array}{r} 310 \\ + 125 \\ \hline 435 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 725 \\ + 2 \\ \hline \\ \hline \end{array}$$

3.

$$\begin{array}{r} 932 \\ + 7 \\ \hline \\ \hline \end{array}$$

4.

$$\begin{array}{r} 256 \\ + 22 \\ \hline \\ \hline \end{array}$$

5.

$$\begin{array}{r} 274 \\ + 122 \\ \hline \\ \hline \end{array}$$

6.

$$\begin{array}{r} 354 \\ + 512 \\ \hline \\ \hline \end{array}$$

7.

$$\begin{array}{r} 7753 \\ + 242 \\ \hline \\ \hline \end{array}$$

8.

$$\begin{array}{r} 9120 \\ + 71 \\ \hline \\ \hline \end{array}$$

9.

$$\begin{array}{r} 3416 \\ + 352 \\ \hline \\ \hline \end{array}$$

10.

$$\begin{array}{r} 1000 \\ + 3333 \\ \hline \\ \hline \end{array}$$

11.

$$\begin{array}{r} 3641 \\ + 2255 \\ \hline \\ \hline \end{array}$$

12.

$$\begin{array}{r} 6820 \\ + 3150 \\ \hline \\ \hline \end{array}$$

2. Solve the following:

a. $253 + 145$

b. $175 + 200$

c. $260 + 30$

d. $1000 + 710 + 50$

e. 6 hundreds + 4 tens

f. 7 hundreds + 1 hundred

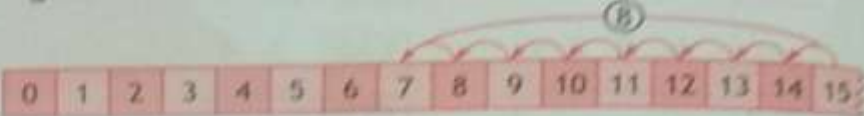
g. 3 hundreds 4 ones + 3 tens

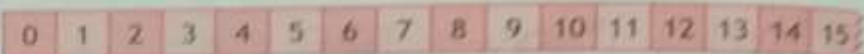
h. 6 hundreds + 4 ones

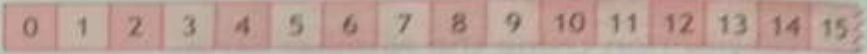
- A bigger number cannot be subtracted from a smaller number.
- When we subtract zero from any number, the difference is the number itself. For example, $12 - 0 = 12$; $32 - 0 = 32$.
- When we subtract a number from itself, the difference is always zero. For example, $27 - 27 = 0$; $64 - 64 = 0$.

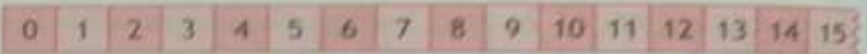
Subtraction Using the Number Strip

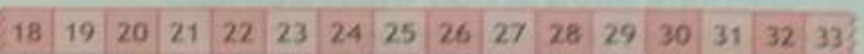
Subtract the following numbers using the number strip.

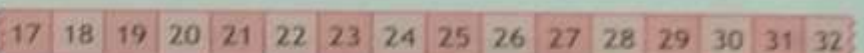
1. $15 - 8 =$ 

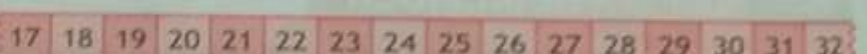
2. $13 - 6 =$ 

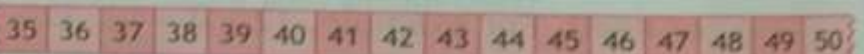
3. $14 - 10 =$ 


4. $15 - 13 =$ 

5. $23 - 4 =$ 

6. $27 - 9 =$ 

7. $30 - 8 =$ 

8. $49 - 6 =$ 

9. $43 - 5 =$ 

Subtraction of 2- and 3-digit Numbers without Regrouping

1. Subtract the following numbers.

a.

$$\begin{array}{r} 43 \\ - 12 \\ \hline 31 \\ \hline \end{array}$$

b.

$$\begin{array}{r} 58 \\ - 7 \\ \hline \\ \hline \end{array}$$

c.

$$\begin{array}{r} 89 \\ - 64 \\ \hline \\ \hline \end{array}$$

d.

$$\begin{array}{r} 69 \\ - 6 \\ \hline \\ \hline \end{array}$$

e.

$$\begin{array}{r} 90 \\ - 60 \\ \hline \\ \hline \end{array}$$

f.

$$\begin{array}{r} 56 \\ - 4 \\ \hline \\ \hline \end{array}$$

g.

$$\begin{array}{r} 20 \\ - 10 \\ \hline \\ \hline \end{array}$$

h.

$$\begin{array}{r} 99 \\ - 6 \\ \hline \\ \hline \end{array}$$

i.

$$\begin{array}{r} 245 \\ - 123 \\ \hline 122 \\ \hline \end{array}$$

j.

$$\begin{array}{r} 826 \\ - 4 \\ \hline \\ \hline \end{array}$$

k.

$$\begin{array}{r} 464 \\ - 2 \\ \hline \\ \hline \end{array}$$

l.

$$\begin{array}{r} 759 \\ - 36 \\ \hline \\ \hline \end{array}$$

m.

$$\begin{array}{r} 250 \\ - 130 \\ \hline \\ \hline \end{array}$$

n.

$$\begin{array}{r} 756 \\ - 20 \\ \hline \\ \hline \end{array}$$

o.

$$\begin{array}{r} 941 \\ - 30 \\ \hline \\ \hline \end{array}$$

p.

$$\begin{array}{r} 576 \\ - 354 \\ \hline \\ \hline \end{array}$$

2. Solve.

a. $700 - 200$

b. $250 - 130$

c. $306 - 201$

d. $126 - 24$

e. $505 - 202$

f. $956 - 343$

Subtraction of 2- and 3-digit Numbers with Regrouping

1. Subtract the following numbers.

a.
$$\begin{array}{r} \textcircled{2} \textcircled{15} \\ 35 \\ - 19 \\ \hline 16 \end{array}$$

b.
$$\begin{array}{r} 96 \\ - 7 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 18 \\ - 9 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 54 \\ - 27 \\ \hline \end{array}$$

e.
$$\begin{array}{r} 82 \\ - 9 \\ \hline \end{array}$$

f.
$$\begin{array}{r} 70 \\ - 29 \\ \hline \end{array}$$

g.
$$\begin{array}{r} 41 \\ - 6 \\ \hline \end{array}$$

h.
$$\begin{array}{r} 60 \\ - 49 \\ \hline \end{array}$$

i.
$$\begin{array}{r} \textcircled{4} \textcircled{16} \textcircled{12} \\ 572 \\ - 395 \\ \hline 177 \end{array}$$

j.
$$\begin{array}{r} 352 \\ - 37 \\ \hline \end{array}$$

k.
$$\begin{array}{r} 952 \\ - 9 \\ \hline \end{array}$$

l.
$$\begin{array}{r} 253 \\ - 75 \\ \hline \end{array}$$

m.
$$\begin{array}{r} 492 \\ - 379 \\ \hline \end{array}$$

n.
$$\begin{array}{r} 100 \\ - 9 \\ \hline \end{array}$$

o.
$$\begin{array}{r} 754 \\ - 87 \\ \hline \end{array}$$

p.
$$\begin{array}{r} 800 \\ - 359 \\ \hline \end{array}$$

2. Solve.

a. 3 tens 2 ones - 1 ten 6 ones

b. 7 tens 6 ones - 9 ones

c. 6 hundreds 2 ones - 3 hundreds 9 ones

d. 8 hundreds 5 ones - 4 tens

A. Add the following.

1.
$$\begin{array}{r} 239 \\ + 672 \\ \hline \end{array}$$
 Ans. 911
2.
$$\begin{array}{r} 367 \\ + 128 \\ \hline \end{array}$$
 Ans. 495
3.
$$\begin{array}{r} 298 \\ + 462 \\ \hline \end{array}$$
 Ans. 760
4.
$$\begin{array}{r} 876 \\ + 194 \\ \hline \end{array}$$
 Ans. 1070
5.
$$\begin{array}{r} 764 \\ + 197 \\ \hline \end{array}$$
 Ans. 961
6.
$$\begin{array}{r} 647 \\ + 294 \\ \hline \end{array}$$
 Ans. 941
7.
$$\begin{array}{r} 584 \\ + 360 \\ \hline \end{array}$$
 Ans. 944
8.
$$\begin{array}{r} 645 \\ + 184 \\ \hline \end{array}$$
 Ans. 829
9.
$$\begin{array}{r} 388 \\ + 358 \\ \hline \end{array}$$
 Ans. 746
10.
$$\begin{array}{r} 289 \\ + 603 \\ \hline \end{array}$$
 Ans. 892

B. Subtract the following.

1.
$$\begin{array}{r} 674 \\ - 217 \\ \hline \end{array}$$
 Ans. 457
2.
$$\begin{array}{r} 843 \\ - 326 \\ \hline \end{array}$$
 Ans. 517
3.
$$\begin{array}{r} 652 \\ - 439 \\ \hline \end{array}$$
 Ans. 213
4.
$$\begin{array}{r} 786 \\ - 257 \\ \hline \end{array}$$
 Ans. 529
5.
$$\begin{array}{r} 534 \\ - 428 \\ \hline \end{array}$$
 Ans. 106
6.
$$\begin{array}{r} 846 \\ - 209 \\ \hline \end{array}$$
 Ans. 637
7.
$$\begin{array}{r} 956 \\ - 428 \\ \hline \end{array}$$
 Ans. 528
8.
$$\begin{array}{r} 783 \\ - 246 \\ \hline \end{array}$$
 Ans. 537
9.
$$\begin{array}{r} 634 \\ - 416 \\ \hline \end{array}$$
 Ans. 218
10.
$$\begin{array}{r} 783 \\ - 392 \\ \hline \end{array}$$
 Ans. 391