U-13

Pg-156, 159
Ex-13.1

C.W

Thursday, October 29, 2020

Topic: Adding and Subtraction efficiently

Getting started

1a

$$\begin{array}{r} 318 \\ +\ 425 \\ \hline 743 \end{array} \qquad \begin{array}{r} 1\ 3 \\ \hline \end{array}$$

The sum of 318 and 425 is 74.

1b

$$\begin{array}{r} 4\overset{1}{\cancel{2}}15 \\ -\ 418 \\ \hline 107 \end{array}$$

The difference between 425 and 318 is 107

2a

$$\begin{array}{r} 4\overset{7}{\cancel{8}}15 \\ -\ 278 \\ \hline 207 \end{array}$$

207 bricks are left.

b

$$\begin{array}{r} 138 \\ +\ 85 \\ \hline 223 \end{array} \qquad \begin{array}{r} 1\ 3 \\ \hline 1\ 2 \\ \hline \end{array}$$

223 people

3a

```
   9 9
1 10 10 10
- 6  0  5
-------
  3  9  5
```

3 9 5 + 6 0 5 = 1 0 0 0

```
  0 9 9
1 10 10 10
- 3  1  6
-------
  6  8  4
```

3b

1 0 0 0 − 6 8 4 = 3 1 6

Ex 13.1

Ans 1a

```
  ① ①
  4 5 6
+ 7 8 9
-------
1 2 4 5
```

The sum of 456 and 789 is 1245

1b

```
  ① ①
  7 6 3
+ 8 6 9
-------
1 6 3 2
```

Total of 763 and 869 is 1632

1c

$$\begin{array}{r} {\scriptstyle (1)\ (1)} \\ 6\ 7\ 8 \\ +\ 4\ 5\ 6 \\ \hline 1\ 1\ 3\ 4 \end{array} \qquad \begin{array}{r} (1)\ 4 \\ (1)\ 3 \\ \hline \end{array}$$

678 more than 456 is 1134

Awesome !!

U-13
Pg 259
Ex-13.1

SW

Friday, October 30, 2020

Topic: Adding and subtracting efficiently

Ans 25

$$\begin{array}{r} 789 \\ -\,456 \\ \hline 333 \end{array}$$

Difference is 333

Ans 26

$$\begin{array}{r} {\scriptstyle 8}\,{\scriptstyle 11} \\ 9\,\not{12}\,13 \\ -\,6\,7\,8 \\ \hline 2\,4\,5 \end{array}$$

Difference is 245

Ans. 2c

$$\begin{array}{r} {\scriptstyle 8}\,{\scriptstyle 9} \\ 9\,\not{10}\,16 \\ -\,8\,5\,8 \\ \hline 0\,4\,8 \end{array}$$

Difference is 48

Ans. 30

$$\begin{array}{r} {\scriptstyle 9}\,{\scriptstyle 9} \\ 0\,\not{10}\,\not{10}\,10 \\ -\,1\,1\,1 \\ \hline 8\,8\,9 \end{array}$$

Difference is 889

Ans: 4

	6	10	
	X	11	13
−	4	5	7
	2	5	6

4 5 7 + 2 5 6 = 7 1 3

Q.5 Spot mistake and correct.

5a

	8	8	2
−	4	3	5
	4	5	3

The student did not borrow from the Tens & Subtracted the top number from the bottom number which is completly wrong.

		7	
	8	8	12
−	4	3	5
	4	4	7

Correct difference is 447

5b

$$\begin{array}{r} 531 \\ +\ 278 \\ \hline 709 \end{array}$$

The student did not carry the digit to the Hundreds.

The student did not carry the digit (1) to the Hundreds.

$$\begin{array}{r} \overset{(1)}{} \\ 531 \\ +\ 278 \\ \hline 709 \end{array}$$

Ans 6a

$$\begin{array}{r} 642 \\ +\ 531 \\ \hline 1173 \\ (1) \end{array}$$

6b

$$\begin{array}{r} 146 \\ +\ 235 \\ \hline 381 \end{array} \qquad \begin{array}{r} (1)\ 1 \\ 5 \end{array}$$