ADDITION

$8 + 5 = ?$

Addition of More than Two Numbers

1)
```
  1 2 3
+ 4 5 6
+ 7 8 9
```
_____

2)
```
  2 3 4
+ 5 6 7
+ 8 9 0
```
_____

3)
```
  3 4 5
+ 6 7 8
+ 9 0 1
```
_____

4)
```
  1 1 2
+ 2 2 4
+ 3 3 6
```
_____

5)
```
  6 6 6
+ 7 7 7
+ 2 2 2
```
_____

6)
```
  8 3 1
+ 6 0 1
+ 3 4 5
```
_____

Properties of Addition

Q1- What is the result of 0 +349 ?

Q2- What is the result of 487 + 0 ?

Q3- If 123 + 456 = 579 ,what is 456 + 123 ?

Q4- What is 258 + 672 =? and 672+ 258 = ? Are they equal?

Q5- Explain the commutative property using 345 + 789.

Q6- Explain the associative property using(123+456) +789 and 123+ (456+789).

Q7- If 456+0 =456, which property of addition is shown?

Q8- If 123 + 456 = 456 + 123, which property of addition is illustrated?

ADDITION

Addition of More than Two Numbers

1)
```
  1 2 3
+ 4 5 6
+ 7 8 9
-------
  1,368
```

2)
```
  2 3 4
+ 5 6 7
+ 8 9 0
-------
  1,691
```

3)
```
  3 4 5
+ 6 7 8
+ 9 0 1
-------
  1,924
```

4)
```
  1 1 2
+ 2 2 4
+ 3 3 6
-------
    6 7 2
```

5)
```
  6 6 6
+ 7 7 7
+ 2 2 2
-------
  1,665
```

6)
```
  8 3 1
+ 6 0 1
+ 3 4 5
-------
  1,777
```

Properties of Addition

Ans1- $0 + 349 = 349$

Explanation: The additive identity property states that adding zero to any number does not change the number.

Ans2- $487 + 0 = 487$

Explanation: The additive identity property states that adding zero to any number does not change the number.

Ans3- $456 + 123 = 579$

Explanation: The commutative property of addition states that changing the order of the addends does not change the sum.

Ans4- $258 + 672 = 930$ and $672 + 258 = 930$

Explanation: Yes, they are equal. This illustrates the commutative property of addition.

Ans5- $345 + 789 = 1134$, $789 + 345 = 1134$

Explanation: The commutative property of addition states that the sum of two numbers is the same regardless of the order in which they are added.

Ans6- $(123 + 456) + 789 = 579 + 789 = 1368$ and $123 + (456 + 789) = 123 + 1245 = 1368$

Explanation: The associative property of addition states that the way in which numbers are grouped when adding does not change the sum.

Ans7- This is an example of the additive identity property.

Ans8- This is an example of the commutative property of addition.

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