Worksheet-10 Subject: - Mathematics Class: - VI Teacher: - Mrs. Poonam Sunil

Name: _____ Class & Sec: _____ Roll No. _____ Date: 05.05.2020

Good Morning Students!

Today I am going to explain you, Exercise 2.2 (Note down everything but first listen to audio message)

Exercise 2.2

Q1: Find the sum by suitable rearrangement

a) 837 + 208 +363

= 208 + (837 +363)

= 208 + 1200

= 1408 Ans

b) 1962 + 453 + 538 + 647

= (962 + 1538) + (453 + 647)

= 1500 + 1100

= 2600 Ans

Q2: Find the product by suitable rearrangement.

a) 2 × 1768 × 50

= (2 × 50) × 1768

= 100 × 1768

= 176800 Ans

b) 8 × 291 × 125

= (8 × 125) × 291

= 1000 × 291

= 291000 Ans

c) 285 × 5 × 60

= 285 × (5 × 60)

=285 × 300

= 75500 Ans

d) 4 × 166 × 25

= (4 ×25) × 166

= 100 × 166

= 16600 Ans

e) 625 × 279 × 16

= (625 × 16) × 279

= 10000 × 279

= 2790000 Ans

f) 125 × 40 × 8 × 25

= (125 × 40) × (8 × 25)

= 5000 × 200

= 1000000 Ans

Q3: Find the value of the following:

a) 297 × 17 + 297 × 3

= 297 × (17 + 3)

=297 × 20

=5940 Ans

b) 81265 × 169 – 81265 × 69

= 81265 × (169 – 69)

=81265 × 100

= 8126500 Ans

c) 54279 × 92 + 8 × 54279

= 54279 × (92 + 8)

=54279 × 100

=5427900 Ans

d) 3845 × 5 × 782 + 769 × 25 × 218

= (3845 × 5) × 782 + (769 × 25) × 218

= 19225 × 782 + 19225 × 218

= 19225 × (782 + 218)

= 19225 × 1000

= 19225000 Ans

Q2: Find the product using suitable properties:

a) 738 × 103

= 738 × (100 + 3)

= 738 × 100 + 738 × 3

=73800 + 2214

= 76014 Ans

b) 258 × 1008

=258 × (1000 + 8)

=258 × 1000 + 258 × 8

=258000 + 2064

=260064 Ans

c) 854 × 102

= 854 × (100 + 2)

= 854 × 100 + 854 × 2

= 85400 + 1708

= 87108 Ans

d) 1005 × 168

= 168 × (1000 + 5)

= 168 × 1000 + 168 × 5

= 168000 + 840

=168840 Ans

Q5: A taxi driver filled his car petrol tank with 40 litres of petrol on Monday. The next day he filled the tank with 50 litres of petrol. If the petrol cost Rs. 44 per litre, how much did he spend in all on petrol?

Solution: By distributive property:

A taxi driver filled his car petrol tank with 40 litres of petrol on Monday and next day 50 litres of petrol. If cost of petrol per litre = Rs. 44

Hence by distributive property: 44 × (40 + 50)

= 44 × 90

= Rs. 3960

Today's class is over. Next I will meet you on Friday. (Stay Safe Stay Healthy)