**PARAGON CONVENT SCHOOL**

**SECTOR 24 B CHANDIGARH**

**CHAPTER 5 SIMPLIFICATION**

**ACTIVITY 2**

**Simplify using Bodmas**

1. 64 ÷16 x ( 3 + 2)

64 ÷16 x 5

4 x 5 = 20

2. 3 + [{ ( 4÷ 4 ) +1 } x 8 ]

3 + [{ 1 +1 } x 8 ]

3 + [ 2 x 8 ]

3 + 16 = 19

3. { 32 – ( 15 + 7 ) } x 2

{ 32 – 22 } x 2

10 x 2 = 20

4. [ 32 + { 44 – ( 32 ÷ 4) }]

[ 32 + { 44 – 8}]

[ 32 + 36] = 68

5. { 5 + (48 ÷12)} – 2 x 3

{ 5 + 4 } – 2 x 3

9 - 6 = 3

6. 17 + [8 – { 5 + ( 10 ÷ 5) }]

17 + [ 8 – { 5 + 2 }]

17 + [ 8 – 7]

17 + 1 = 18

7. 40 ÷ ( 1 + 6 – 2 ) + 5

40 ÷ ( 1 +4 ) + 5

40 ÷ 5 +5

8 + 5 = 13

8. [{66 – (13 + 14 ) } ÷ 3] + 9

[{ 66 – 27 } ÷ 3] + 9

[39 ÷ 3 ]+9

13 + 9 =22

9. 20 – [ 5 x { (7 + 2 ) ÷ 3}]

20 – [ 5 x {9 ÷3}]

20 – [ 5 x 3 ]

20 – 15 = 5

10. 27 ÷ 3 x ( 7 – 4 ) + 2 x 9 ÷ ( 4 + 2 )

27 ÷ 3 x 3 + 2 x 9 ÷ 6

9 x 3 + 2 x

9 x 3 +

27 + 3 = 30

11. 9 + { 20 – 3 of 5 + (20 + 40 – 25 ÷5)}

9 + { 20 – 3 of 5 + (20 + 40 –5 ) }

9 + { 20 – 3 of 5 + (60 – 5)}

9 + { 20 – 3 of 5 + 55 }

9 + { 20 – 3 x 5 + 55 }

9 + { 20 – 15 + 55 }

9 + {5 +55}

9 + 60 = 69

12. 17 + [ 11 – { 8 + 3 - ( 9 of 6 + 7 – 13 x 4 )}]

17 + [ 11 – { 8 + 3 – ( 54 + 7 – 13 x 4 )}]

17 + [ 11 – { 8 + 3 – ( 54 + 7 – 52 )}]

17 + [ 11 – { 8 + 3 – ( 61 – 52 )}]

17 + [ 11 – { 8 + 3 – 9}]

17 + [ 11 – { 11– 9}]

17 + [ 11 – 2]

17 + 9 =26