**Part 1:** What does PEMDAS stand for?

s

A

D

M

E

P

**Part 2:** Evaluate the following numerical expressions.

1. $6×\left(5-2\right)+4÷2$
2. $\left(16-6\right)÷2+(4×5)$
3. $\left(10+8\right)÷3+6×\left(8-4\right)$

1. $8×(6-5)-16÷\left(4×2\right)$
2. $\left(10+8\right)÷3+6×\left(8-4\right)$
3. $25×\left(10-5\right)+[9-\left(4×2\right)]$
4. $\left[9×\left(27÷3\right)\right]+\left[81÷\left(27÷3\right)\right]-9$
5. $\left[\left(9-6\right)×\left(8+7\right)\right]÷[15÷(9-4)×5]$

**Part 3:** Solve the following problems.

1. A cookie shop is offering packs of cookies at a lower price. Originally, each pack cost $25. But for a limited time, they’re offering a $10 discount for every pack bought. May and Joy bought 8 packs, and both decided to share the cost.

1. Write a numerical expression to represent the above.
2. How much money does May and Joy have to pay to share the cost?
3. Nick withdrew $3000 from his bank account. He gave his wife $1000, divided the remaining amount into 4, gave 3 parts to his 3 children equally, and kept 1 for himself. He bought 3 new pairs of shoes for $75 each pair.
4. Write a numerical expression to represent the above.
5. How much money does Nick have left?