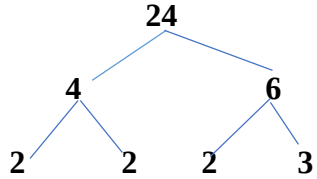
2036 Penang Sangam Primary School
Year 8
Mathematics
Worksheet 2 solution

Question	Working & Answer
1.Write this number in words. 14 748 512	**Fourteen million seven hundred forty eight thousand, five hundred and twelve.**
2.Order these numbers in ascending order. 25 346, 6799, 789 654, 8 548 623, 325 451	**{ 6799, 25 346, 325 451, 789 654, 8 548 623 }**
3. Order these numbers in descending order. 635, 48 745, 6005, 457 212, 315 268	**{457 212, 315 268, 48 745, 6005, 635 }**
4.Break up this number into 6 sets 564 843	**564 843 = 500 000 + 60 000 + 4000 + 800 + 40 + 3**
5.What is the total value of 45000 + 8000 + 700 + 67	**45000** **8000** **700** **+ 67** **53,767**
6. Find first five multiples of 25.	**M(25) = {25, 50, 75, 100, 125}**
7.Find the lowest common multiples (LCM)of 6 and 8	**M(6) = { 6, 12, 18, 24 , 30, 36, 42, 48, 54, 60, 66, …}** **M(8) = {8, 16, 24 ,32, 40, 48, 56, 64, 72, 80,..}** **M(6) ∩ M(8) = {24, 48}** **LCM of 6 and 8 is 24**
8. Find Factors of 32.	**F(32) = { 1, 2, 4, 8, 16, 32}**
9. Find the highest common factor (HCF) of 36 and 48	**F(36) = {1, 2, 3, 4, 6, 9, 12, 18, 36}** **F(48) = {1, 2, 3, 4, 6, 8, 12, 16, 24, 48}** **F(36) ∩ F(48) = {1, 2, 3, 4, 6, 12}** **HCF of 36 and 48 is 12**
10. Use factor tree to find prime factors of 24	 **The prime factors of 24 are 2 x 2 x 2 x 3 = 2^3 x 3**