Name

# Tutor Class

Total 78

1. In the number 437617 what is the: (4 marks)
   1. place value of the 6
   2. value of the 3
   3. place value of the 1
   4. value of the 7
2. Write in expanded form: (2 marks)
   1. 8362
   2. 458
3. Write in compact form (2 marks)
   1. 8 x 10 + 3
   2. 7 x 10000 + 4 x 1000 + 6 x 10 + 8

1. Round the following numbers: (4 marks)
   1. 763 to the nearest 10
   2. 848 to the nearest 100
   3. $3.23 to the nearest 10 cents
   4. $87.67 to the nearest dollar
2. Using 1 figure approximations calculate the value (do not give the exact answer and show all of your working): (4 marks)
   1. 82 x 59
   2. 730 + 92 + 3875

1. Calculate: (4 marks)
   1. 762x 10
   2. 420 x 1000
   3. 8500 ÷ 100
   4. 27000 ÷ 1000
2. Show full working for the following questions by writing them in working form and then calculating the answer. (8 marks)
   1. 364 + 42 + 593=
   2. 7400 – 2519 =
   3. 3725 ÷ 5
   4. 52 x 26 =
3. Showing all of your working: (8 marks)
   1. Find the product of 73 and 24

* 1. Find the sum of 524 and 297
  2. Find the difference between 232 and 86
  3. Calculate 3126 ÷ 6

1. Find: (15 marks)
   1. the first 5 multiples of 7

* 1. the first 5 composite numbers.

* 1. the first 5 prime numbers

1. Find the prime factors of 80- (show your working) (2 marks)
2. Give the factor pairs for 24: (4 marks)
3. Find the lowest common multiple of 8 and 12 (show working) (3 marks)
4. Calculate (2 marks)
   1. 3 + 5 x 8 -7 =
   2. 6 x 7 – 3 x 4 =
5. Use a factor tree to show 36 as a product of prime factors. (2 marks)
6. Frank has 408 marbles and decides to give one quarter of them away to of his friends. How many marbles does each one get if each of his friends gets the same number?   
   (3 marks)
7. Fred and Prajay each get unicycles for Christmas. They also get flashing lights so they can ride safely at night. Fed’s light flashes every 4 seconds and Prajay’s flashes every 9 seconds. When the lights are turned on at the same time they flash together once, how long will it be before they flash together again? (3 marks)
8. A group of friends, Jo, Schmo, Flo, Zo, Wo and Cho, go to BK after school. 4 of them buy burgers for $5.50 each, 4 order fries for $2.50 each, 2 buy drinks for $2 each and 6 buy ice creams for $1   
   a) How much did they spend altogether? (5 marks)

b) If they divided the total cost evenly between them all how much would each have to pay? (2 marks)