

Year 7 Unit 2 Test

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Name _____

Tutor Class _____

1. In the number 431789 what is the: (4 marks)

a) place value of the 3 _____

b) value of the 8 _____

c) place value of the 1 _____

d) value of the 7 _____

2. Write in expanded form: (2 marks)

a) 3057 _____

b) 552 _____

3. Write in compact form (2 marks)

a) $4 \times 10 + 9$ _____

b) $9 \times 10000 + 3 \times 1000 + 5 \times 10 + 3$

4. Round the following numbers: (4 marks)

a) 946 to the nearest 100 _____

b) 43 to the nearest 10 _____

c) \$3.23 to the nearest 5 cents _____

d) \$87.67 to the nearest \$ _____

5. Using 1 figure approximations calculate the value (do not give the exact answer and show all of your working): (4 marks)

a) 48×96

b) $324 + 72 + 4977$

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6. Calculate: (4 marks)

a) 398×10

c) $850 \div 100$

b) 42×10000

d) $2705 \div 1000$

7. Showing all of your working: (8 marks)

a) Find the product of 31 and 16

c) Find the difference between 115 and 86

b) Find the sum of 117 and 196

d) Calculate $7614 \div 9$

8. On the number lines plot using an appropriate scale: (9 marks)

a) The first 5 multiples of 6

b) The first 5 even numbers

c) The first 5 composite numbers.

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9. Write 1998 in Roman Numerals (2 marks)
10. Write CCLXXIV in ordinary number form. (2 marks)
11. Find the prime factors of 96- (show your working) (2 marks)
12. I bought nine shirts which cost a total of \$405 and nine ties which cost \$23 for each one. (5 marks)
- How much would each shirt and a matching tie cost?
 - How much would it cost if I bought 4 shirts and 4 ties?

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13. John collected old 1 and 2 cent pieces. Had 1116 one cent pieces and 666 two cent pieces. He decided to give them to his 9 friends so that each person got the same number of 1 and 2 cent pieces.

How much did each person get? Give your answer in dollars and cents.

14. Jan bought 3 tins of cat food for 95 cents each, 5 cat chews at 55 cents each and 7 cat collars for \$1.25 each.

How much change would she have left from a \$20 note?

15. show full working (3 marks)

$$6 \overline{) 3854}$$

16. Using Long Multiplication show full working (3 marks)

$$\begin{array}{r} 34 \\ \times 27 \\ \hline \end{array}$$