Name

1. Write 3529 using expanded notation.

3 × 1000 + 5 × 100 × 2× 10+9 (accept udoc form) [1]

- 2. Using the number 5462
 - a) Write the number in words

[1]

five thousand for hundred and sixty two

b) Give the place value of the 6 digit 105/leng1]v

c) What is the value of the 4 digit? 400/4 hunl [1] of

Write three thousand four hundred and seventy two in numeral form.

3472 [1]

4. Write 2000 + 300 + 50 + 8 as a simple (basic) numeral.

2358

[1]

5. Show full working for the following questions (marks will only be awarded if correct working is shown).

a)	16+	23 +	32 +	5 =
16 2 3 4 3	3 2 5 6	V	/	

b) $288 \div 6 =$

6)2 ftpV

c) $16 \times 9 =$

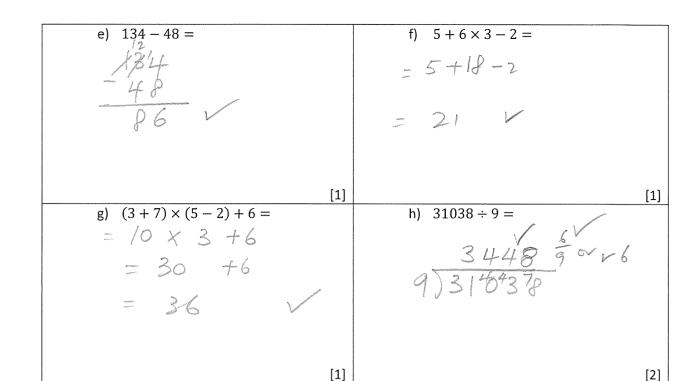
[1]

d) $23 \times 42 =$

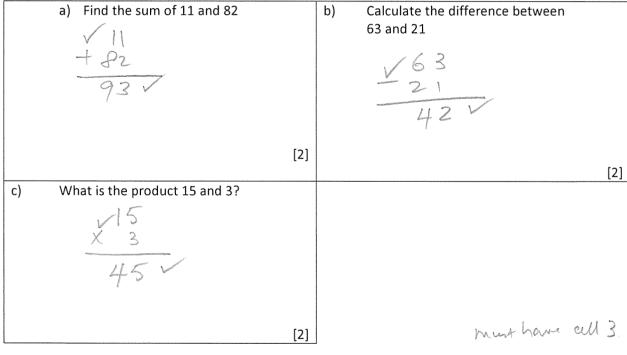
[1]

[2]

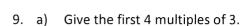
[2]



4. Show full working for the following questions (marks will only be awarded if correct working is shown).

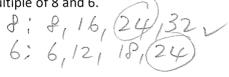


- 5. List the first 3 square numbers [1]
 6. What is the opposite operation of multiplication? [1]
 7. a) Write $4 \times 4 \times 4 \times 4$ in index form. [1]
 - b) Give $2 \times 2 \times 2 + 3 \times 3$ in index form and as a basic numeral [2] = 3 + 3 [2] = 17 Basic numeral 17 [1]



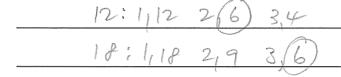
3,6,9,12 [1]

b) Find the lowest common multiple of 8 and 6.



24 / [2]

c) Find the highest common factor of 12 and 18.



HCF = 6 [2]

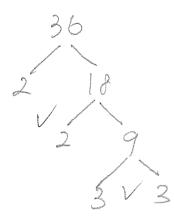
b) Give the first 3 prime numbers

10. Rewrite as a basic numeral:

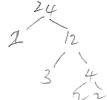
$$3 \times 10^3$$

11. Using leading figure estimation, approximate the answers to the following problems (correct working must be shown):

a) 38+43+24= 40+40+20V = 100 V	b) $26 \times 12 =$ $30 \times 10 \times 10 \times 10^{-3}$ $= 300 \times 10^{-3}$	c) 78-16= Po-20V = 60 V
(2) d) $8 \times 17 =$ $4 \times 20 \times 2$		[2]
[2]	[2]	



b) Write 24 as a product of prime factors.



 $2\times2\times2\times3^{V}$ [1]

13. Complete the sentence

$$4 \times (3 + 8) = 4 \times 3 + 4 \times 0$$
 [1]

- 14. Use the <u>distributive property</u> to evaluate the problems (show full working and your use of the distributive property):
 - a) $8 \times 6 + 2 \times 6 =$

<u>60</u> [2]

b) $70 \times 12 - 60 \times 12 =$

$$12x(70-60)$$
= 120

/20