

WHOLE NUMBERS

MNU 4-03a

Having recognised similarities between new problems and problems I have solved before, I can carry out the necessary calculations to solve problems set in unfamiliar contexts.

Pupils should be able to:

- Read and write whole numbers up to one million
- Add and subtract mentally:
- Multiply and divide mentally:
within all tables to 10, and for 2 and 3 digits by 10
any whole numbers by a single digit eg $280 \div 8$, $13 \div 4$
any whole number by a multiple of 10 or 100
- Add and subtract with written working
2, 3 and 4 digit numbers
- Multiply and divide with written working:
whole numbers by a single digit, 2 digits by 2 digits (multiplication only)
- Round to the nearest whole number, ten or hundred
- Know the meaning of *multiple, factor, product, remainder, quotient, power*
- Find the least common multiple of two numbers
- List the factors of a number
- Know the meaning of Prime Number
- Learn the prime numbers up to 19
- Write a number as a product of prime factors e.g. $12 = 2 \times 2 \times 3$

PUPILS SHOULD COMPLETE THE FOLLOWING EXERCISE AND ASSESS THEIR PROGRESS BY TICKING ONE OF THE OPTIONS FOR EACH TOPIC IN THE TABLE BELOW

	DEVELOPING	CONSOLIDATING	SECURE
ROUNDING (QUESTIONS 1 - 3)			
READ/WRITE NUMBERS (QUESTIONS 4 - 7)			
MENTAL CALCULATIONS (QUESTIONS 8 - 10)			
WRITTEN CALCULATIONS (QUESTIONS 11 - 12)			

mymaths lessons: library/number/add subtract mental (any exercises)
/add subtract written (any exercises)
/counting and place value/multiples
/counting and place value/factors and primes

SELF EVALUATION EXERCISE

DATE DUE _____

1. Write the number 346988 in words.

2. Calculate (show working):

a) $3428 + 6547$ b) $8775 + 279$ c) $9871 - 6658$ d) $5608 - 459$

3. Calculate (show working):

a) 34×56 b) 76×52 c) $5673 \div 3$ d) $2868 \div 6$

4. Round 34673.6 to: a) The nearest whole number b) The nearest ten
c) The nearest thousand

5. Dave knows that $56 \div 8 = 7$: Copy and complete the sentences using this fact.

- a) ____ is a factor of 56 b) ____ is a multiple of 8
c) 56 is the _____ of 7 and 8 d) the Quotient is _____
e) the remainder is _____

6. Which of the following words describes the '4' in the equation $5x^4 = 80$, power, product or factor?

7. What is the Least Common Multiple (LCM) of

- a) 4 and 5 b) 4 and 8 c) 6 and 10

8. List all the factors of a) 36 b) 66 c) 144

9. Write the following numbers as a product of primes.

- a) 70 b) 24 c) 38 d) 45 e) 160