

# WHOLE NUMBERS

## MNU 3-03a

I can use a variety of methods to solve number problems in familiar contexts, clearly communicating my processes and solutions.

## MNU 3-03b

I can continue to recall number facts quickly and use them accurately when making calculations.

### Pupils should be able to:

- Round to the nearest 10, 100, 1000 etc
- Read and write numbers up to a million
- Mentally:
  - a) add and subtract:  
eg  $120 + 130$   
 $82 - 38$
  - b) multiply and divide:  
within all tables up to 10  
whole numbers by single digits (simple cases)  
e.g.  $280 \div 8$ ,  $13 \times 4$   
by 10, by 100 or a multiple of 10 or 100
- With written working:
  - a) add and subtract:  
eg  $1251 - 375$
  - b) multiply and divide:  
whole numbers by single digits e.g.  $474 \times 6$
- Recognise patterns in the multiplication tables,  
e.g. 9 times table
- Know the meaning of multiple
- Apply the above in problems involving money and measurement

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 - 4)			
CALCULATIONS (QUESTIONS 4 - 6)			
MULTIPLICATION TABLES (QUESTIONS 7 - 10)			
PROBLEMS (QUESTIONS 11 - 12)			

Mymaths lessons: library/number/add subtract written/adding in columns  
 /add subtract written/subtraction columns  
 / multiply divide mental/ multiplying by 10 100  
 / multiply divide mental/ dividing by 10 100  
 /estimating and accuracy/rounding to 10 100

SELF EVALUATION EXERCISEDATE DUE

1. Round these numbers to the nearest 10      a) 36      b) 273      c) 4755
2. Round the following to the nearest 100      a) 56732      b) 654
3. a) Write 34385 in words  
b) Write seventy eight thousand and twenty three in numerals
4. David thinks that if he rounds 349 to the nearest hundred the answer is 400.  
Can you explain why David is incorrect?
5. Knowing that  $6 \times 4$  is 24. Determine the value of:  
a)  $60 \times 4$       b)  $6 \times 40$       c)  $6 \times 400$       d)  $600 \times 400$
6. The following calculations should be completed showing the correct setting out of the method used. EVEN if you can 'DO THEM' just by thinking.  
  
a)  $476 + 68$       b)  $5674 + 871$       c)  $1278 - 561$       d)  $4206 \div 6$
7. Part of this multiplication table has been wrongly written down.  
73, 79, 85, 91, 97.....  
Each answer is one greater than it should be.  
Write down the correct times table sequence - which times table is this?
8. Explain why you can recognise a number that belongs to the 5 times table.
9. Numbers which belong in the nine times table are easy to recognise - if you add the digits in the answers you always eventually arrive back at nine.  
  
E.g.  $9 \times 2 = 18 \rightarrow 1 + 8 = 9$   
 $9 \times 11 = 99 \rightarrow 9 + 9 = 18 \rightarrow 1 + 8 = 9$   
  
Are these numbers in the nine times table? A) 67 B) 144 c) 13753
10. Which of the following list of numbers is not a multiple of 6 ? (may be more than one answer)  
18, 36, 72, 6, 1, 30, 63, 3, 66666666666618
11. iTunes has a special offer of £1.50 for ten tracks. How much would one track be worth?
12. A panel of fencing is 120cm long.  
(a) How far would 8 panels reach?  
(b) Round your answer to the nearest hundred