

Mathematics Assessment (CfE) - Level 2

(MNU 2 - 03a)

Having determined which calculations are needed, I can solve problems involving whole numbers using a range of methods, sharing my approaches and solutions with others.

This page is the non-calculator section.

1. Set down these calculations and find :-

a $13\,463 + 453$

b $32\,154 - 21\,654$

c $24\,187 - 9\,659$

d $27\,567 + 145\,876$

e 1432×5

f $85\,605 \div 5$

g $80\,406 \times 8$

h $13\,876 \div 4$

i $24\,356\,780 \div 2.$



2. Do the following - just write down the answer :-

a 230×10

b 172×100

c 432×1000

d $43\,000 \div 100$

e $320\,000 \div 100$

f $4\,000\,000 \div 10\,000.$

3. Find :-

a 132×20

b 23×500

c 202×6000

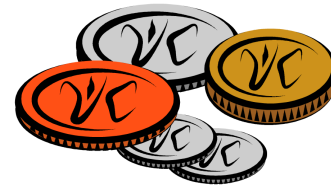
d $13\,200 \div 20$

e $465\,000 \div 5000$

f $8400 \div 300.$


Show all your working for questions 4 & 5 :-

4. Jenny has a collection of coins.
Last year she collected 3680 coins.
This year she has collected 4892.



- a How many coins has she collected in total ?
- b How many **more** coins did she collect this year than last year ?

5. a Jake ran 16 kilometres every day for 5 days to practise for a marathon race.
How many kilometres did Jake run in total over the five day practise ?

- b  A crate of milk bottles contains 36 bottles.
How many bottles would there be in 30 crates ?

c There are 48 000 pencils packed equally into 20 cartons.
How many pencils are in each carton ?



- d When a number is multiplied by 7 the answer is 9975.
What is the original number ?
- e I am thinking of a number. When I divide this number by 5 and add 25 the answer is 175.
What number am I thinking of ?

This page is the calculator section.



6. Use a calculator to find :-

a $47\,863 + 5343$

b $152\,362 - 51\,444$

c 64×42

d 173×204

e $19\,838 \div 26$

f $32\,136 \div 156$

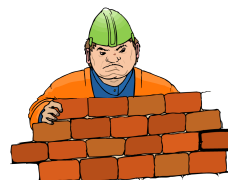
g 432×2000

h $13\,8760 \div 40$

i $24\,356\,780 \div 20.$

Show all your working for questions 7 - 12 :-

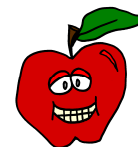
7. a A wall is built eight bricks high and 48 bricks long.
How many bricks are needed for the wall ?



Eighty four thousand bricks are delivered so that identical houses in an estate can be built.

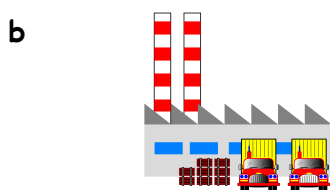
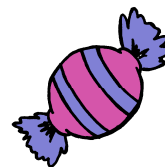
If each house requires 6000 bricks, how many houses can be built ? (Assume there would be no bricks wasted).

8. a There are 36 apples in a bag. There are 10 bags in a box.
There are twelve boxes in a crate. There are 6 crates in a container.
How many apples are there in a container ?



There are three million cans of cola in sixty thousand cartons.
How many cans are there in each carton ?

9. a It takes fifteen hours to make three million sweets in a factory.
How many sweets are made each hour ?



A sweet factory employs 42 machine staff.
Each employee earns £9 per hour.

How much is the total wage bill paid to **all** the employees after a seven hour shift ?

10. I am thinking of a number. When I multiply this number by 18 and subtract 71 the answer is 1477. What number am I thinking of ?

11. **Last year** Jane sold 300 identical tractors for £21 600 000.
This year she sold 250 tractors for £18 750 000.

What was the increase in price of each tractor this year ?



When I open a book the two page numbers when multiplied together gives 3306.

What two pages of the book are showing ?