




# Countdown to your final Maths exam ...

## Foundation Tier only ... Part 3 (2020)

|  | Marks | Actual |    |
|--|-------|--------|---|
| Q1. Rounding, multiplication, division & fractions | 5     |        |   |
| Q2. Types of number                                | 4     |        |   |
| Q3. Multiples                                      | 1     |        |   |
| Q4. Roots and powers                               | 3     |        |   |
| Q5. Multiples, factors and primes                  | 3     |        |   |
| Q6. Roots and powers                               | 2     |        |   |
| Q7. Types of number                                | 3     |        |   |
| Q8. Roots and powers                               | 1     |        |   |
| Q9. Prime numbers                                  | 3     |        |   |
| Q10. Order of operations / Primes / Ratio          | 6     |        |   |
| Q11. Use of calculator                             | 4     |        |   |

**35**

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**NON-CALCULATOR UNLESS INDICATED**

## Questions

**Q1.**(a) Write the number **7378** to the nearest hundred.

**(1)**

(b) Write the number **6402** in words.

**(1)**

(c) Work out  $54 \times 1000$

**(1)**

(d) Work out  $\frac{1}{4}$  of 28 kg.

**(1)**

(e) Work out  $9 + 12 \div 3$

**(1)**

**Q2.** Here is a list of numbers.

5 15 30 50 60 90 100 125

From the numbers in the list, write down

(i) two different numbers that add up to an even number

(ii) a multiple of 20

(iii) a factor of 45

(iv) a cube number

**(4)**

**Q3.** Write down a multiple of 6 that is between 40 and 50

**(1)**

**Q4.** (a) Write down the value of  $\sqrt{81}$

**(1)**

(b) Work out the value of  $5^2 + 2^3$

**(2)**

**Q5.** Here is a list of numbers.

4 5 30 31 39 49 72 100

From the list, write down

(i) a multiple of 8

(ii) a factor of 50

(iii) a prime number

**(3)**

**Q6.** (a) Write down the value of  $\sqrt{64}$

**(1)**

(b) Work out the value of  $5^3$

**(1)**

**Q7.** Here is a list of numbers.

2            3            10            12            15            16            24

From the list write down

(a) an odd number

(1)

(b) a multiple of 6

(1)

(c) a factor of 18

(1)

**Q8.** Write down a square number that is also an odd number.

(1)

**Q9.** Here is a list of numbers.

1            2            4            5            7            11            13            14            15            17

From the list, write down **three different** prime numbers that add together to make 20

(3)

**Q10.** (a) Write the number 20 400 in words.

(1)

(b) Work out  $3 \times -7$

(1)

(c) Work out  $3 \times (2 + 7)$

(1)

(d) Find the value of  $2^4$

(1)

Here is a list of numbers.

4    5    8    9    12

(e) From the list, write down the prime number.

(1)

(f) Write the ratio 2 : 6 in its simplest form.

(1)

**Q11.** Use your calculator to work out

(a)  $5.7 \times 6.3$

(1)

(b)  $\sqrt{1.44}$

(1)

(c)  $1.9^3$

(1)

(d)  $\frac{1}{0.625}$

(1)