# MA053G
# Discrete Maths for Vocational Studies
# Self-assessment Numeracy Test

This is a *timed* self-assessment test. Make a print-out of it and do it one day, when you have half an hour where you know nobody is going to disturb you. Set an alarm clock to ring after **half an hour**, do the test and then check your answers against the answers on the course website.

**Please note that calculators must not be used for this test!**

**Good Luck!**

**[Q1]** $2 + 3 \cdot 4 =$ _____

**[Q2]** $2 + 3 \cdot 6 - 4 =$ _____

**[Q3]** $(2 + 3) \cdot (6 - 4) =$ _____

**[Q4]** $2 + 3 \cdot (6 - 4) =$ _____

**[Q5]** $8 - 6 - 1 =$ _____

**[Q6]** $8 - (6 - 1) =$ _____

**[Q7]** $8 - (-6 - 1) =$ _____

**[Q8]** $-8 \cdot (-6) =$ _____

**[Q9]** $(-8) \cdot (-6) =$ _____

**[Q10]** $(-8)(-6) =$ _____

**[Q11]** $10 \cdot (2 - 3) =$ _____

**[Q12]** $10(2) - 3 =$ _____

**[Q13]** $10 \cdot \frac{1}{2} =$ _____

**[Q14]** $10 \div \frac{1}{2} =$ _____

**[Q15]** $\frac{-24}{12} =$ _____

**[Q16]** $\frac{-24}{-12} =$ _____

**[Q17]** $1 - \frac{-24}{-12} =$ _____

**[Q18]** $\frac{2}{3} \cdot \frac{4}{5} =$ _____

**[Q19]** $\frac{1}{2} + \frac{1}{3} + \frac{1}{7} =$ _____

**[Q20]** $2^2 =$ _____

**[Q21]** $2 \cdot 2^2 =$ _____

**[Q22]** $-2^2 =$ _____

**[Q23]** $(-2)^2 =$ _____

**[Q24]** $\sqrt{4} =$ _____

**[Q25]** $3^3 < 2^5$
True or false? _____

**[Q26]** $3^3 =$ _____

**[Q27]** $2^5 =$ _____

**[Q28]** $(-2)^3 < 2^3$
True or false? _____

**[Q29]** $(-2)^4 < 2^4$
True or false? _____

**[Q30]** $(-2)^4 > 2^4$
True or false? _____

**[Q31]** $(-2)^4 \leq 2^4$
True or false? _____

**[Q32]** $2^2 \cdot 2^5 = 2^{10}$
True or false? _____

**[Q33]** If $a = 2^2$ and $b = 2^3$ then $ab =$ _____

**[Q34]** If $a = 8$ and $b = 2$ then $ab = 2^x$ where $x =$ _____

**[Q35]** $(-2)(-8) - 5(-4) =$ _____

**[Q36]** $(-2)^3 + (-1)^4 - (-1)^2 =$ _____

**[Q37]** $\dfrac{18}{0.1 - 0.1(-2)} =$ _____

**[Q38]** $\dfrac{2 - \frac{2}{9}}{\frac{8}{9}} =$ _____

**[Q39]** 20% of 40 is _____

**[Q40]** If a blouse costs kr. 360 in a sale where you get a discount of 40%, the price of the blouse before the sale was kr._____