MA014G
Algebra and Discrete Maths
Answers to Numeracy Test

You have passed the test if you have at least 36 correct answers out of the 40 possible. You passed the test with distinction if you had at least 38 correct answers.

If you had 5 or more errors it indicates that you would benefit from some revision. The course website has links to revision resources.

[Q1] $2 + 3 \cdot 4 = 14$;

[Q2] $2 + 3 \cdot 6 - 4 = 16$;

[Q3] $(2 + 3) \cdot (6 - 4) = 10$;

[Q4] $2 + 3 \cdot (6 - 4) = 8$;

[Q5] $8 - 6 - 1 = 1$;

[Q6] $8 - (6 - 1) = 3$;

[Q7] $8 - (-6 - 1) = 15$;

[Q8] $-8 \cdot (-6) = 48$;

[Q9] $(-8) \cdot (-6) = 48$;

[Q10] $(-8)(-6) = 48$;

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

[Q12] $10(2) - 3 = 17$;

[Q13] $10 \cdot \frac{1}{2} = 5$;

[Q14] $10 \div \frac{1}{2} = 20$;

[Q15] $\frac{-24}{12} = -2$;

[Q16] $\frac{-24}{-12} = 2$;

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

[Q18] $\frac{2}{3} \cdot \frac{4}{5} = \frac{8}{15}$;

[Q19] $\frac{1}{2} + \frac{1}{3} + \frac{1}{7} = \frac{41}{42}$;

[**Q20**] $2^2 = 4$;

[**Q21**] $2 \cdot 2^2 = 8$;

[**Q22**] $-2^2 = -4$;

[**Q23**] $(-2)^2 = 4$;

[**Q24**] $\sqrt{4} = 2$;

[**Q25**] $3^3 < 2^5$ is true;

[**Q26**] $3^3 = 27$;

[**Q27**] $2^5 = 32$;

[**Q28**] $(-2)^3 < 2^3$ is true;

[**Q29**] $(-2)^4 < 2^4$ is false;

[**Q30**] $(-2)^4 > 2^4$ is false;

[**Q31**] $(-2)^4 \leq 2^4$ is true;

[**Q32**] $2^2 \cdot 2^5 = 2^{10}$ is false;

[**Q33**] If $a = 2^2$ and $b = 2^3$ then $ab = 2^2 \cdot 2^3 = 2^5 = 32$;

[**Q34**] If $a = 8$ and $b = 2$ then $ab = 2^x$ where $x = 4$;

[**Q35**] $(-2)(-8) - 5(-4) = 36$;

[**Q36**] $(-2)^3 + (-1)^4 - (-1)^2 = -8$;

[**Q37**] $\dfrac{18}{0.1 - 0.1(-2)} = 60$;

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

[**Q39**] 20% of 40 is 8;

[**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. 600.