STUDENT NAME:
TIME USED:

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MA004G
Mathematics Education for Primary and Secondary School

Numeracy Test

This is a *timed* test, the time allowed is 45 minutes. If you finish early, please indicate on the front page of the test how long you took to do the test. Please do not use separate sheets of paper, use the back of sheets to do rough work if necessary.

Hand in your test to the lecturer at 8.15am on 1 September 2010.

Please note that calculators or books 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._____