Year 7 Numeracy Basics Test

Based on Australian Curriculum content from year 3 to year 6

Name: ___________________________

Time permitted = 30 minutes (students are encouraged to use the full time)
Students are permitted blank working paper. Times tables charts are not permitted.

Score (out of 50) = _______  Percentage = _______

Numeracy - COMPETENT (90% + )  Numeracy - SATISFACTORY (80% + )
Numeracy - UNSATISFACTORY (< 80%)

Date: ___________________________

Parent signature: __________________________________

Question 1  50 + 59

Question 2  83 - 40

Question 3  797 + 99

Question 4  694 - 241

Question 5  5043 + 1152

Question 6  6551 - 747

Question 7  6 x 8

Question 8  4 x 4

Question 9  9 x 9

Question 10  3 x 6

Question 11  50 ÷ 5

Question 12  63 ÷ 9

Question 13  10 ÷ 5

Question 14  12 ÷ 6

Question 15  Change  $6 \frac{1}{7}$ to an improper fraction (DO NOT simplify your answer).

Question 16  Change  $\frac{7}{3}$ to a mixed numeral (DO NOT simplify your answer).

Question 17  How much change would you receive if buying something which costs $7.20 using a $10 note?

Question 18  3 x 246

Question 19  87 x 82

Question 20  74 x 175

Question 21  5778 ÷ 9

Question 22  243 ÷ 4

Question 23  Which fraction is larger?  1/2 or 1/4 ?

Question 24  9/11 - 8/11

Question 25  Convert the fraction 9/10 into a decimal.

Question 26  Convert the decimal 0.41 into a fraction.

Question 27  Convert the decimal 0.011 into a fraction.
Question 28: State the largest of these numbers.

\[
\begin{array}{cccc}
0.91 & 0.007053 & 0.0929 & 0.71 \\
\end{array}
\]

Question 29: What is the next number in this pattern? 12, 20, 28, 36, ...

Question 30: What is the next number in this pattern? 5.3, 5.18, 5.06, 4.94, ...

Question 31: What is the next number in this pattern (DO NOT simplify your answer)?

\[
\begin{array}{cccc}
2 \frac{1}{4} & 2 \frac{3}{4} & 3 \frac{1}{4} & 3 \frac{3}{4} \\
\end{array}
\]

Question 32: Write the following number using words: 190,030

Question 33: Write the following using digits

Seven hundred and Nine Thousand Six hundred

Question 34: What is the value of the 3 in the number 7031659?

Question 35: State the largest of these numbers.

\[
\begin{array}{cccc}
7874 & 89738 & 8886 & 89747 \\
\end{array}
\]

Question 36: If the temperature is initially -29°C and it rises by 37°C, calculate the new temperature.

Question 37: If the temperature is initially 16°C and it falls by 25°C, calculate the new temperature.

Question 38: \[18 - 5 \times 3\]

Question 39: \[6 - 2 \times (5 - 4)\]

Question 40: Find 1/5 of 45.

Question 41: Find 6/7 of 35.

Question 42: \[0.363 + 0.257\]

Question 43: \[0.93 - 0.003\]

Question 44: \[0.6088 \times 4\]

Question 45: \[7.0911 \div 9\]

Question 46: \[0.04648 \times 1000\]

Question 47: \[0.0038 \div 10\]

Question 48: Convert 4.8 cm into mm.

Question 49: Convert 43.59 kg into T.

Question 50: Convert 0.8 kL into ML.