

BreinBoost

Grade 6 Mathematics Sample Exam

Grade	6
Time	20 min
Marks	20
Questions	12

This mini assessment samples Grade 6 whole-number, factor, multiple, number-sentence and fraction skills. Full BreinBoost packs cover the complete term and all subjects.

Answer all questions. Show working where it helps.

1. What is the value of the digit 6 in 7 693 417? [1]

2. Which number is the greatest? [1]

A. 8 569 231

B. 8 676 321

C. 8 765 231

D. 8 765 321

3. Round 4 875 499 to the nearest 1 000. [1]

4. 15 is a factor of 90. [1]

True / False

5. Calculate: $8\,743\,216 + 954\,807$. [2]

6. Calculate: $6\,000\,000 - 2\,748\,659$. [2]

7. Find the lowest common multiple (LCM) of 6 and 8. [2]

8. Find the highest common factor (HCF) of 24 and 36. [2]

9. What is $\frac{3}{4}$ of 48? [2]

10. Complete: _____ + 287 500 = 1 000 000. **[2]**

11. Which fraction is equivalent to $\frac{3}{5}$? **[2]**

A. $\frac{4}{10}$

B. $\frac{6}{10}$

C. $\frac{6}{15}$

D. $\frac{9}{20}$

12. Continue the pattern: 643, 542, 441, _____. **[2]**

Sample only. Full BreinBoost access includes two exams per subject per term, printable papers and memorandums, progress tracking and learning resources.