Mental Computation

Year 10 Mathematics

End Term 3

Mental computation (End Term 3)

1   Spell Quartile

Given the numbers: 2, 3, 4, 5, 6, 6, 6

2   What is the median?

3   What is the lower quartile?

4   What is the upper quartile?
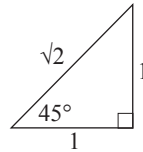
5   In the triangle, what is sin 45°?

6   In the triangle, what is cos 45°?

7   In the triangle, what is tan 45°?

8   Two sides of a right-angled triangle are 3 and 4, what is the hypotenuse?

9   What is the Simple Interest Formula?

10 Is $x - 1$ a factor of $x^3 + 3x^2 - 2x - 2$?

Sample 1

Mental computation (End Term 3)

1   Spell Comparative

Given the numbers: 1, 1, 2, 3, 3, 4, 5, 7

2   What is the median?

3   What is the lower quartile?

4   What is the upper quartile?

5   In the triangle, what is sin 60°?

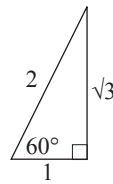**6**   In the triangle, what is cos 60°?

7   In the triangle, what is tan 60°?

8   The hypotenuse in a right-angled triangle is 2 and a side is 1, what is the third side?

9   What is the Compound Interest Formula?

10 Is $x - 1$ a factor of $x^3 + 4x^2 - 3x - 1$?

Sample 2

Mental computation (End Term 3)

1   Spell Median

Given the numbers: 3, 4, 4, 5, 5, 6, 6, 7, 8

2   What is the median?

3   What is the lower quartile?

4   What is the upper quartile?
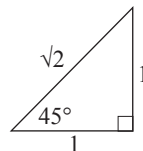
5   In the triangle, what is sin 45°?

6   In the triangle, what is cos 45°?

7   In the triangle, what is tan 45°?

8   Two sides of a right-angled triangle are 1 and 2, what is the hypotenuse?

9   What is the Compound Interest Formula?

10 Is $x + 1$ a factor of $x^3 + x^2 - 3x - 3$?

Sample 3