1   Computation

Expressing a number in standard form

1   0.002 51 written in standard form is

    A 2.51×10^{3} Ⓐ

    B 2.51×10^{2} Ⓑ

    C 2.51×10^{-2} Ⓒ

    D 2.51×10^{-3} Ⓓ

2   0.0053 written in standard form is

    A 5.3×10^{-2} Ⓐ

    B 5.3×10^{-3} Ⓑ

    C 5.3×10^{3} Ⓒ

    D 5.3×10^{2} Ⓓ

Performing calculations involving decimals

3   Express 0.375 as a fraction in its lowest terms.

    A $\dfrac{1}{7}$ Ⓐ

    B $\dfrac{3}{8}$ Ⓑ

    C $\dfrac{5}{7}$ Ⓒ

    D $\dfrac{3}{7}$ Ⓓ

4   The exact value of $8 \div 0.002$ is

    A 4   Ⓐ

    B 40   Ⓑ

    C 400   Ⓒ

    D 4000   Ⓓ

5 $0.375 \times 0.03 =$

   A 0.001 125   Ⓐ

   B 0.011 25   Ⓑ

   C 1.125   Ⓒ

   D 0.112 5   Ⓓ

6 The exact value of $4 \div (0.1)^2$ is

   A 400   Ⓐ

   B 4000   Ⓑ

   C 0.04   Ⓒ

   D 0.004   Ⓓ

7 If $5.6 \times 0.52 = 2.912$, then $0.56 \times 520 =$

   A 0.002 912   Ⓐ

   B 2.912   Ⓑ

   C 29.12   Ⓒ

   D 291.2   Ⓓ

8 17.95×0.5 is approximately

   A 0.09   Ⓐ

   B 0.9   Ⓑ

   C 9   Ⓒ

   D 90   Ⓓ

9 The exact value of $(2.4 \times 1.2) + 3.6 =$

A 6.48   Ⓐ

B 64.8   Ⓑ

C 0.648   Ⓒ

D 0.0648   Ⓓ

10 The exact value of $\dfrac{19.5 \div 1.5}{1000}$ is

A 0.013   Ⓐ

B 0.13   Ⓑ

C 1.3   Ⓒ

D 0.0013   Ⓓ

11 The exact value of $(0.1)^2 + 4.21$ is

A 4.22   Ⓐ

B 4.212   Ⓑ

C 4.2102   Ⓒ

D 4.23   Ⓓ

Performing calculations involving fractions

12 $2\dfrac{2}{3} + 3\dfrac{1}{4} =$

A $5\dfrac{3}{7}$ Ⓐ

B $5\dfrac{3}{12}$ Ⓑ

C $5\dfrac{11}{12}$ Ⓒ

D $5\dfrac{7}{12}$ Ⓓ