Year 5 Mathematics Mock Exam - Answer Key

Aldrine Einsteen

Instructions

This document contains the answers for the Year 5 Mathematics Mock Exam.

1 Arithmetic

1. $2(2) + 3(3) - 4(4) = 4 + 9 - 16 = -3$
2. $7(3x + 4) - 2(5x - 3) = 21x + 28 - 10x + 6 = 11x + 34$
3. $7 \times 9 = 63$

2 Number and Place Value

1. Five thousand, six hundred and seventy eight.
2. 5 is in the thousands place, so its value is $5,000$.
3. $423,032$

3 Fractions

1. $\frac{14}{28} = \frac{1}{2}$
2. $\frac{1}{2} \times \frac{2}{3} = \frac{1}{3}$
3. $\frac{3}{4} - \frac{2}{5} = \frac{15}{20} - \frac{8}{20} = \frac{7}{20}$

4 Decimals

1. $0.625 = \frac{5}{8}$
2. 7.86 rounded to the nearest whole number is 8.
3. $1.2 + 3.56 = 4.76$

5 Percentages

1. 20% of 50 is 10.
2. 45% as a decimal is 0.45.
3. $\frac{1}{5}$ as a percentage is 20%.

6 Measurement and Geometry

1. The area of a circle is $\pi r^2 = 3.14159 \times 5^2 = 78.54$ cm^2.
2. The perimeter of a rectangle is $2l + 2w = 2(6) + 2(4) = 20$ cm.
3. The area of a triangle is $\frac{1}{2}bh = \frac{1}{2}(8)(5) = 20$ cm^2.

7 Graphs and Bar Charts

1. 40 participants used tool1 in group1.
2. Tool3 was used by the most participants in group2.
3. 20 more participants used tool3 than tool2 in group1.