

Grade 8 — Math Assessment (Constructed Response)

Name: _____ Date: _____

1. Add: $(123,456 + 78,901)$.

2. Subtract: $(200,000 - 87,654)$.

3. Multiply: $(1,024 \times 16)$.

4. Divide $(9,999 \div 27)$. Give quotient and remainder.

5. Simplify $(56/98)$.

6. Convert $(7/16)$ to a decimal (to three decimal places).

7. Find area of a circle with radius 7 cm (leave in terms of π).

8. Solve for x: $(4x + 7 = 31)$.

9. A jacket originally KSh 3,500 is sold at 20% off and then a further 10% off the reduced price. Find the final price.

10. The angles of a triangle are in the ratio $(2:3:4)$. Find each angle.

11. Find LCM of $(14, 20)$.

12. A rectangular prism has length 5 cm, width 4 cm and height 3 cm. Find its volume.

Grade 8 — Math Assessment (continued)

13. If $y = 3x + 5$ and $x = 4$, find y .

14. A shopkeeper buys 50 items at KSh 120 each and sells all at KSh 150 each. Find the profit.

15. Convert (0.045) to a percentage.
