

YEAR 9 MATHS, TEST 3

- Expand $(p + q)(p - q)$.
A. $p^2 - 2pq - q^2$ B. $p^2 - q^2$ C. $p^2 + 2pq - q^2$ D. $p^2 + q^2$
- A cone is 9cm high and has a base diameter of 24cm. its slant height is
A. 15cm B. 8cm C. 10cm D. 12cm
- The following data are recorded by a student in the laboratory: 6, 8, 5, 4, 5, 6, 5, 5, 8, 8. Find the mode.
A. 4 B. 5 C. 6 D. 8
- Find the area of a circle whose radius is 7cm. (Take $\pi = \frac{22}{7}$)
A. 154cm^2 B. 308cm^2 C. 456cm^2 D. 616cm^2
- Convert 64 in base ten to a number in base 2.
A. 10001_{two} B. 10000_{two} C. 101001_{two} D. 1000000_{two}
- A boy spent half of his money on sweet and one-quarter on kolanut. If he has ₦6.00 left, how much did he have initially?
A. ₦8.00 B. ₦48.00 C. ₦24.00 D. ₦36.00
- Find the area of a parallelogram whose base and height are 46cm and 12cm respectively.
A. 552cm^2 B. 58cm^2 C. 116cm^2 D. 276cm^2
- I think of a number. I multiply it by 5 and add 10. The result is 50. Find the number.
A. 3 B. 6 C. 7 D. 8
- A piece of work could be done by 5 men in 3 days. How long will it take 3 men working at the same rate?
A. 15 days B. 9 days C. 5 days D. 3 days
- A ladder which is 13m long is made to rest on a vertical pole which is 5m away from the foot of the ladder. How far up the pole is the ladder?
A. 7m B. 18m C. 12m D. 8m