



ANGLO AMERICAN SCHOOL

MATH FIFTH GRADE



III TERM EXERCISES

Full name: _____

Class: _____

EXERCISES

Perform the following operations.

1) $31^2 =$

2) $\sqrt[3]{8000} =$

3) $9^2 - \sqrt{144} =$

4) $(10^2 + 5^2) \div \sqrt{9} =$

5) $\left(\frac{5}{7}\right)^2 =$

6) $\left(\frac{2}{3}\right)^4 =$

7) $\left(\frac{8}{5}\right)^3 =$

8) $12^2 - 8^2 \div \sqrt{16} =$

9) $\sqrt{25} + 7^2 \times 2^2$

GUESS THE NUMBER!

Riddle 1: I am a number between 500 and 580. I am a perfect **square**. The product of my first and last digit is 30. Who am I?

Riddle 2: I am the smallest number you can subtract from 130 to get a perfect cube. What is the cube root of that new number?

Solve the following situations.

- 10) The area of a square is 121 m^2 . What is the length of each side?
- 11) The volume of a cube is 8000 mm^3 . What is the edge length of the cube?
- 12) The area of a square floor is 225 m^2 . What is the length of one side of that floor?
- 13) The volume of a cubic box is 2744 cubic millimeters. What is the edge length of the box?
- 14) What is the area of a square with a side of 15 m?
- 15) What is the volume of a cube with an edge length of 8 km?
- 16) A school community has been affected by a very contagious disease. Each patient infects two students per day. If there is one student on Monday. How many students will be infected at the end of Thursday?
- 17) In a residential complex, the construction of three buildings is planned. Each building with three floors, each floor with three apartments, and each apartment with three windows. How many windows will be installed in the residential complex in total?