6th grade math placement test sample questions

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6th Grade Math Placement Test Sample Questions

Sixth-grade math placement tests assess students' math skills and abilities to determine their appropriate placement in higher-level mathematics courses. Here are some common sample questions:

Arithmetic Operations:

- Simplify: 125 + 784 - 367
- Multiply: 5.4 x 6.7
- Divide: 96 ÷ 12

Fractions and Decimals:

- Convert 3/4 to a decimal
- Multiply: 0.5 x 0.8
- Divide: 2.4 ÷ 0.6

Measurement and Geometry:

- Find the area of a rectangle with length 5 cm and width 3 cm
- Calculate the circumference of a circle with radius 4 cm
- Identify the type of triangle formed by angles of 60°, 60°, and 60°

Algebraic Expressions:

- Solve for x: x + 5 = 10
- Evaluate the expression: 3x + 2 when x = 4
- Simplify the expression: 2(x + 3) - 5x

Word Problems:

- A farmer has 360 apple trees. He wants to plant them in rows of equal size. What is the greatest number of trees he can plant in each row?
- A train travels 120 miles in 2 hours. What is its average speed in kilometers per hour?

Answers:

- 642
- 36.18
- 8
- 0.75
- 0.4
- 24 cm²
- 25.13 cm
- equilateral triangle
- x = 5
- 26
- 2x + 1
- 90 trees
- 96.56 km/h

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