

Edexcel GCSE Mathematics 2024 Foundation Paper 1 Revision Worksheet

Answer all questions. Show all your working. **Calculators are not allowed.**

Multiple Choice Questions

1. What is the value of 7^2 ?
 - a) 14
 - b) 49
 - c) 21
 - d) 27
2. What is the next number in the sequence: 2, 5, 8, 11, ...?
 - a) 13
 - b) 15
 - c) 14
 - d) 17
3. Which fraction is equivalent to 0.25?
 - a) $\frac{1}{2}$
 - b) $\frac{1}{4}$
 - c) $\frac{3}{4}$
 - d) $\frac{2}{5}$
4. What is 15% of 80?
 - a) 8
 - b) 10
 - c) 12
 - d) 15

5. What is the value of $3x + 4$ when $x = 2$?
- a) 10
 - b) 12
 - c) 6
 - d) 8

Fill in the Blank Questions

1. The sum of angles in a triangle is _____ degrees.
2. The perimeter of a rectangle with length 5 cm and width 3 cm is _____ cm.
3. $\sqrt{81} =$ _____
4. 0.6 as a fraction in its simplest form is _____
5. The mean of the numbers 4,7,9,10 is _____

True/False Questions

1. True or False: The number 0 is an even number.
2. True or False: $\frac{2}{3}$ is greater than $\frac{3}{4}$.
3. True or False: The product of two negative numbers is positive.
4. True or False: π is an irrational number.
5. True or False: $5^0 = 1$.

Short Answer Questions

1. Calculate $17 + 36$.
2. Find the value of $3x$ when $x = 7$.
3. Simplify $2a + 3a$.
4. Write down the next two terms in the sequence: 1,4,7,10,...
5. What is the area of a rectangle with length 9 cm and width 2 cm?

Essential Questions

1. Explain why the sum of the angles in a triangle is always 180 degrees.
2. Describe a method for finding the mean of a set of numbers.

Essay Question

1. A shop sells pencils in packs of 6 for £2.40 and packs of 10 for £3.50. Which pack is better value for money? Show your working and explain your answer.