

Semester 1 Midterm Exam

Nickname: _____

Grade: 6 / ____ No: ____

Subject: Math

Semester 1

Date: July 2025

Section 1: Please complete the following sentences with the best answer based on the following number: (7 marks)

4,871,532

1. The digit 4 is in the _____ place.
2. The digit 2 is in the _____ place.
3. The digit 5 is in the _____ place.
4. The digit 3 is in the _____ place.
5. The digit 1 is in the _____ place.
6. The digit 7 is in the _____ place.
7. The digit 8 is in the _____ place.

Section 2: Please complete the following table with the correct NUMBER. Do not include any spaces or commas in your answer. (12 marks)

Round each number to...	the nearest 100,000	the nearest 10,000	the nearest 1,000
7,850,825			
5,555,317			
7,764,389			
8,185,378			

**Section 3: Please answer the following questions with the correct number.
(3 marks)**

1. What is the greatest common factor of 12 and 36? _____
2. What is the greatest common factor of 12 and 18? _____
3. What is the greatest common factor of 21 and 28? _____

**Section 4: Complete the following using the correct order of operations.
(6 marks)**

- a. $(2 + 3) \times (4 + 5) =$ _____
- b. $2 + (3 \times 4) + 5 =$ _____
- c. $6 + (5 - 3) \times 8 =$ _____
- d. $2 + 9 \times 5 =$ _____
- e. $(4 \times 3) + (7 \times 2) =$ _____
- f. $5 + 3 \times 7 =$ _____

**Section 5: Please answer the following questions with ONLY the number. No unit.
(4 marks)**

1. A pizza shop has 80 meat pizzas and 20 vegetarian pizzas.

a. What percent of the pizzas are vegetarian? _____

b. Write this as a decimal. _____

c. What percent of the pizzas are meat pizzas? _____

d. Write this as a decimal. _____

**Section 6: Please answer the following with either True or False.
(6 marks)**

1. I can add numbers in any order and I get the same answer. _____

2. I can subtract numbers in any order and I get the same answer.

3. I can multiply numbers in any order and I get the same answer.

4. I can divide numbers in any order and I get the same answer.

5. $a(b + c)$ is the same as $ab + ac$. _____

6. $(a + b)/c$ is the same as $a/c + b/c$. _____

Section 7: Please complete the following table. (12 marks)

Marks out of 20	Complete the table	
	Fraction simplest form	Percentage
18		
17		
15		
12		
5		
2		

Section 8: Please complete the following. (10 marks)

1. There are 80 flowers in a bed. Two-fifths of the flowers are red and the rest are yellow. How many flowers of each colour are there?

a. Red _____ b. Yellow _____

2. I use 150 counters in a pattern. One-third of the counters are green and rest are blue. How many counters of each colour are there?

a. Green _____ b. Blue _____

3. There are 30 students in a class. 60% are boys and the rest are girls. How many girls and boys are there in the class?

a. Boys _____ b. Girls _____

4. There are 1200 trees in a forest. One-sixth are palm trees and the rest are cypress trees. How many of each type of tree are there?

a. Palm trees _____ b. Cypress trees _____

5. Karl has \$450. He uses 75% of his money to buy a mountain bike. How much money does he have left?

6. Zara plants some seeds in her garden. For every 5 seeds that she plants, only 3 grow. 15 plants grow. How many seeds did Zara plant?
