

5th Grade Mathematics

Comprehensive Assessment

Time: 90 minutes | Total Points: 100

Student Name: _____ Date: _____

■ Instructions:

- Show all work
- Calculator permitted
- Answer all questions

Question 1: Fractions (20 points)

1. Study the shaded fractions:



$\frac{1}{4}$

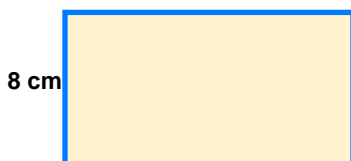


$\frac{3}{4}$

- a) Add these fractions: $\frac{1}{4} + \frac{3}{4} =$ _____
- b) What is $\frac{1}{2} + \frac{1}{8}$? _____
- c) Convert 0.75 to a fraction: _____

Question 2: Geometry - Area and Perimeter (25 points)

1. Calculate area and perimeter of the rectangle:
12 cm

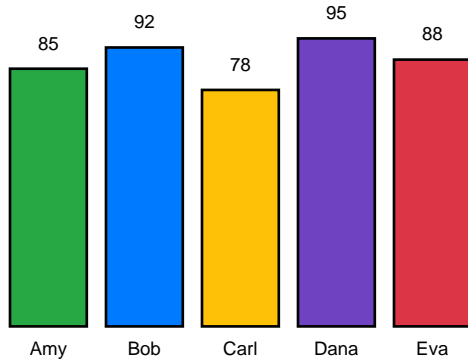


Area = _____ cm^2

Perimeter = _____ cm

Question 3: Data Analysis and Graphs (20 points)

Study the bar chart showing test scores:



1. What was the highest score? _____
2. What was the average score? _____
3. How many students scored above 90? _____
4. Difference between highest and lowest? _____

Question 4: Multiplication Table (15 points)

Complete the multiplication table:

×	6	7	8	9
4	24	—	32	—
5	—	35	—	45
6	36	—	48	—

2. Solve: $156 \times 12 =$ _____
3. Calculate: $1,440 \div 15 =$ _____

Question 5: Word Problems (20 points)

1. Sarah has \$125. She buys 3 books for \$18 each and backpack for \$35.
How much money left?



Answer: \$ _____

2. Car travels 65 mph. Distance in 4.5 hours?

Question 6: Patterns and Sequences (15 points)

1. Study the pattern:



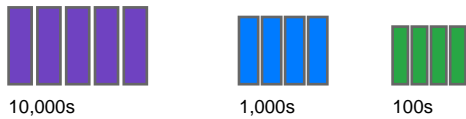
What colors come next? _____, _____, _____

2. Complete: 5, 10, 15, 20, _____, _____, _____

3. What is the 15th term? _____

Question 7: Place Value (15 points)

1. Number 58,734 in place value blocks:



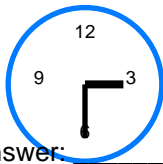
Write in expanded form: _____

2. Round 67,892 to nearest thousand: _____

3. Compare: a) 45,678 _____ 45,876 b) 0.75 _____ $\frac{3}{4}$

Question 8: Time and Measurement (10 points)

1. Clock shows 3:45. Time in 2 hours 30 minutes?



Answer: _____

2. Convert: 3.5 km = _____ meters

✓ Answer Key

Question 1: Fractions

a) 1 b) $\frac{5}{8}$ c) $\frac{3}{4}$

Question 2: Geometry

1. Area = 96 cm^2 , Perimeter = 40 cm
2. Area = 30 in^2

Question 3: Data

1. 95 2. 87.6 3. 2 students 4. 17 points

Question 4: Multiplication

1. Table: 28, 40, 30, 40, 42, 54
2. 1,872 3. 96

Question 5: Word Problems

1. \$36 2. 292.5 miles 3. a) 216 ft^2 b) \$240

Question 6: Patterns

1. Red, Red, Blue 2. 25, 30, 35 3. 75

Question 7: Place Value

1. $50,000 + 8,000 + 700 + 30 + 4$
2. 68,000 3. a) $<$ b) $=$

Question 8: Time

1. 6:15 2. 3,500 meters