Name:_____
Date: _____

| 6 | Math |
|---|---|
| Grade | Subject |

**Maths Admission Test - PYP7**

## Section 1 – Number Sense

1. Place Value

a) Write 7,35,482 in expanded form.

_____

b) What is the place value of 6 in 8,64,219?

_____

c) Arrange the following numbers in ascending order:

45,678; 54,876; 45,867; 54,678

_____

2. Fractions

a) Simplify: $\frac{36}{48}$

b) Solve: $\frac{3}{4} + \frac{2}{5}$

c) Solve: $\frac{7}{8} - \frac{1}{3}$

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3. Decimals

a) Calculate: $45.75 + 18.6 =$ _____

b) Calculate: $72.5 - 38.85 =$ _____

c) Multiply: $3.25 \times 4 =$ _____

Working out space

4. Word Problems: solve and write statements in the space provided below:

a) A shopkeeper had 250 kg of rice. He sold 85.5 kg in the morning and 76.75 kg in the evening. How much rice was left?

b) A water tank has a capacity of 600 litres. It is $\frac{3}{4}$ full. How much water does it contain?

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## Section 2 – Patterns and Order of Operations

5. Complete the following patterns.

a) 4, 9, 14, 19, _____, _____

b) 2, 6, 18, 54, _____

6. Solve using the correct order of operations.

a) $25 + 5 \times 6$ = _____

b) $84 \div 7 + 12$ = _____

## Section 3 – Measurement, Shape and Space

7. Length

a) Convert 5.6 km into metres. _____

b) Convert 425 cm into metres and centimetres. _____

8. Area

a) Find the area of a rectangle with length 14 cm and breadth 8 cm.

_____

b) Find the area of a square with side 11 cm.

_____

c) A rectangular garden is 18 m long and 12 m wide. Find its area.

_____

Working out space

## Section 4 – Data Handling

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9. Study the following data representing the number of books read by eight students in a month.

4, 6, 8, 5, 6, 9, 6, 4

Find:

a) Range = _____

b) Median = _____

c) Mode = _____

d) Mean = _____

10. The table shows the number of students participating in different school clubs.

| Club | Number of students |
|---|---|
| Art | 20 |
| Music | 25 |
| Dance | 15 |
| Sports | 30 |
| Science | 10 |

a) Which club has the highest participation? _____

b) Which club has the lowest participation? _____

c) Find the total number of students participating in all the clubs. _____

d) Find the difference between the participation in Sports and Dance. _____

Teacher's comments:

_____

_____

_____

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