

MODEL ENTRANCE TEST PAPER

SUBJECT: MATHEMATICS

GRADE: 7

TOTAL MARKS: 25

Q.1. Fill in the blanks: -

[5marks]

- 1 yard = _____ feet.
- Angles on a straight line add up to _____.
- $3^4 =$ _____.
- 1 leap year = _____ days.
- Vertically opposite angles are _____.

Q.2. Choose the correct answer.

[5marks]

- $0.9 \times 9 =$ _____
(a) 8.1 (b) 0.81 (c) 81
- 4Km
(a) 400m (b) 4000m (c) 40m
- Area of square of side $\frac{1}{2}$ Km equal to -----
(a) 1Km^2 (b) 2Km^2 (c) $\frac{1}{4}\text{Km}^2$.
- The difference between the greatest and the smallest number is -----
(a) Range (b) mean (c) mode.
- In equation $x + 4 = 8$ x equals:
(a) 12 (b) 2 (c) 4.

Q3. Find the following: -

[10marks]

1. $2\frac{1}{4} - 1\frac{1}{3} + 2\frac{1}{6}$

2. $13.8 + 2.43 - 1.6$

3. x in the equation $3x - 1 = 5x - 11$

4. 0.5×0.06

5. $14 \times 2 \div 7 - 3 + 6$

Q4. Answer the following: -

[5marks]

1. Express $\frac{14}{100}$ as decimal.

2. Which fraction is greater? $\frac{3}{7}$ or $\frac{2}{5}$

3. State the LCM of: 12, 16, 24.

4. Find the area of rectangle measuring 6cm by 8cm.

6. Find the mean of this set of numbers.

24, 35, 44, 28, 34.

SAMPLE 2