

MODEL ENTRANCE TEST PAPER

SUBJECT: MATHEMATICS

GRADE: 7

TOTAL MARKS: 25

Q1. Fill in the blanks: -

[5marks]

1. To find _____ we add up all the values and divide by the number of values.
2. In equation $x - 2 = 10$. $x =$ _____
3. Area of rectangle is _____.
4. 40cm is _____ mm.
5. Alternate angles are _____.

Q2. Choose the correct answer: -

[5marks]

1. 1 yard = _____ inches
(a) 36 (b) 12 (c) 3
2. $9^2 =$ _____.
(a) 18 (b) 81 (c) 9
3. Area of square with side 0.2m is _____.
(a) $0.4m^2$ (b) **$0.04m^2$** (c) $4m^2$.
4. Vertically opposite angles are:
(a) Equal (b) supplementary (c) add up to 360^0
5. In 2 months there are _____ weeks.
(a) 4 (b) 12 (c) 8.

Q3. Find the following: -

[10marks]

1. $\frac{0.6 \times 0.3}{0.09}$

2. $\frac{3}{5} \times 1\frac{1}{4} \div \frac{3}{8}$

3. x in the equation $2x + 8 - 3x - 6 = 4 + 3x$

4. $(5 + 3) + 2 + 10 \div (8 - 3)$

5. Find Area and Perimeter for rectangle with length 4cm and width 2cm.

Q4. Answer the following: -

[5marks]

1. Find the range for the set 2, 14, 7, 10, and 11.

2. Find HCF of 45, 60, and 120.

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

4. Express 0.125 as fraction in lowest term

5. Is 2931 divisible by 3?

SAMPLE 1