

MOUNT CARMEL INTERNATIONAL SCHOOL, AKOLA
Cambridge International



Formative Assessment: I

Subject: Mathematics

Date: 20.09.2024

Student's Name: _____ Roll No: _____ Grade: 7

Marks: 20

Time Duration: 40 minutes

Invigilator's Sign.

Q.1. The positive root of 225 is _____ (1)

Q.2. Work out the following. (2)

a. $4 \times (231000 \div 10^6)$

b. $(3.6 \times 10^4) + 15000 \div 3$

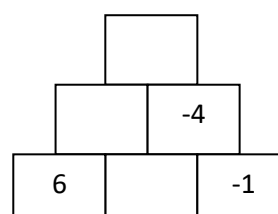
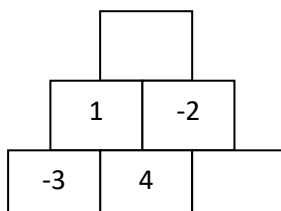
Q.3. Round each of these numbers to two decimal places. (2)

a. $2.473 =$ _____

c. $8.065 =$ _____

b. $1.938 =$ _____

Q.4. Copy and complete these addition pyramids. (2)



Q.5. a. Show that 67108 is divisible by 4.

(1)

b. Is 67108 divisible by 8? Give a reason for your answer.

(1)

Q.6. The light from two lighthouse flash at regular intervals of 7 minutes and 14 minutes respectively. Both lights first flash together at 8 p.m. What is the next time they will flash together again?

(2)

Q.7. Evaluate $2 \div \sqrt[3]{(-1)^2} + 7$

(1)

Q.8. Put the following in order of size, starting with the smallest.

(1)

$2110 \div 100$

0.208×100

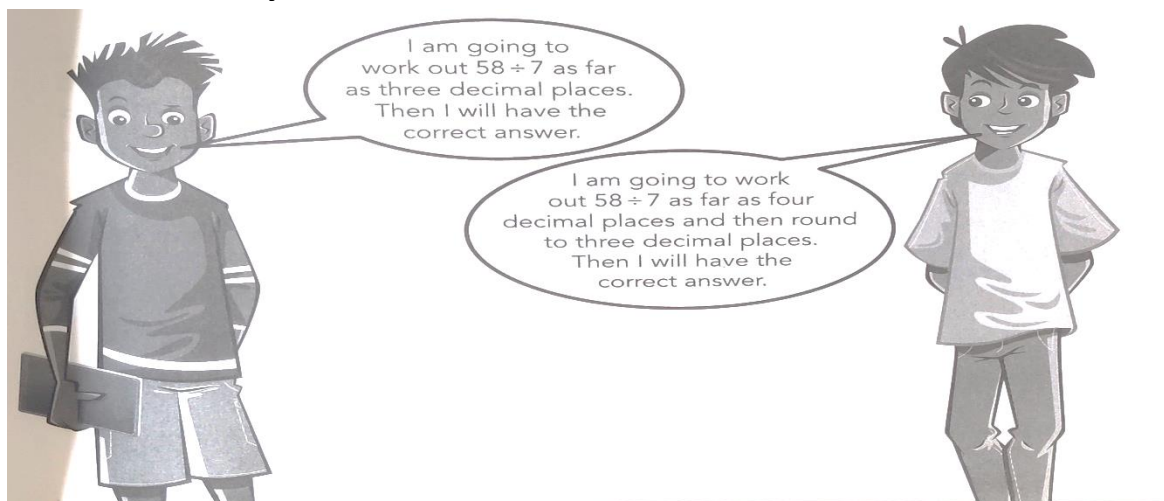
1.9×10

$2320 \div 1000$

0.23×10

Q.9. Shaun and four fiends eat a meal at a restaurant. The total cost of the meal is \$68.60. Shaun eats chicken korma \$9.45, pilau rice \$2.20 and a plain naan \$1.95. Is it better for Shaun to pay for his own food or to pay for an equal share of the bill? (2)

Q.10. Marcus and Arun both work out $58 \div 7$, correct to three decimal places. Here are the methods they use.



a. Work out $58 \div 7$ using Marcus's method and Razi's method. (1)

b. Do you get the same answer? (1)

c. Whose method gives the correct answer? Explain why. (1)

Q.11. Find the HCF of 48 and 90 using prime factorization.

(2)

