Mock Exam-1

Part 1

Circle the letter corresponding to the correct answer

1) The standard form of $8 \times 100{,}000 + 5 \times 10{,}000 + 2 \times 1{,}000 + 3 \times 10$ is

a) 852,300
b) 852,030
c) 850,230
d) 852,003

2) Which symbol makes the number sentence true?

$217.510 \; ? \; 217.150$

a) $>$
b) $\geq$
c) $<$
d) $=$

3) A teacher has a class of 24 students. What is the prime factorization of 24?

a) $2 \times 2 \times 2 \times 3$
b) $2 \times 2 \times 2 \times 2$
c) $2 \times 2 \times 2 \times 2 \times 3$
d) $2 \times 3 \times 3$

4) Find the missing number.

$6{,}000 \times \boxed{?} = 180{,}000$

a) 30
b) 3
c) 300
d) 3,000

5) Find the missing number in the given equation, $540 \div 6 = N$.

a) 6
b) 60
c) 9
d) 90

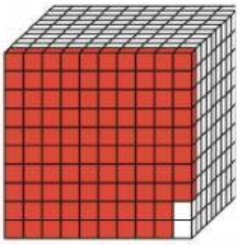
6) Estimate $595 \div 19$.

a) 30
b) 60
c) 50
d) 80

7) The property used in $8 \times 54 = (8 \times 50) + (8 \times 4)$.

a) Distributive Property
b) Associative Property of Multiplication
c) Identity Property of Multiplication
d) Commutative Property of Multiplication

8)What is the decimal that represents the shaded part?



a) 0.98
b) 0.098
c) 0.0098
d) 9.8

9) Hamad has collected 48 magnets and wants to display them in groups of 5. How many magnets does he need to get, for the same amount in each group?

a) 1
b) 2
c) 3
d) 4

10) Which is the prime factorization of 48?

a) $2^4 \times 3$
b) 10×4^2
c) $2^3 \times 4$
d) $2^3 \times 4$

11) Multiply: $6 \times 10^6 =$

a) 600
b) 6,000,000
c) 6,000
d) 600,000

12) A doctor sees an average of 28 patients each day.
Estimate the number of patients the doctor will see in 62 days by rounding each number to the nearest tens.

a) 1,800
b) 1,200
c) 2,100
d) 10,800

13) In a bowl, there are 28 dates. How many dates are in 7 bowls?

a) 196 dates
b) 169 dates
c) 21 dates
d) 35 dates

14) Complete the equation: $77 \div 5 =$

a) 15 R 1
b) 15 R 2
c) 15 R 3
d) 15 R 4

15) Estimate the quotient using compatible numbers: $370 \div 6 \approx$

a) 600
b) 60
c) 0.6
d) 6

Part 2

Show all the details when answering these questions.

1) At a track meet, the winning long jump was 6.37 meters. Write 6.37 in expanded form.

2) Rearrange the numbers shown so that they are listed in numerical order from *greatest* to *least*.
75 74.75 75.01 74.88

3) A rectangular patio has an area of 72 square feet. What is the prime factorization of 72? Write the factors in order from *least* to *greatest*.

4) The lunchroom staff makes 55 sandwiches each day for 8 days in a row. What is the total number of sandwiches the lunchroom staff makes?

5) A farmer filled 45 baskets each with 63 figs picked from his trees. How many figs did the farmer pick?

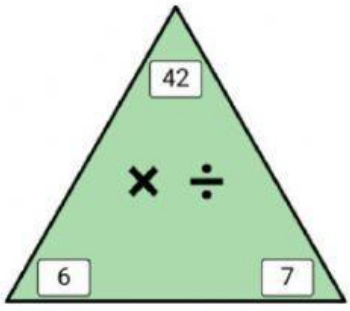
6) Complete the set of facts for numbers 6, 7 and 42.

$6 \times \ldots\ldots = 42$

$7 \times \ldots\ldots = 42$

$\ldots\ldots \div 6 = \ldots\ldots$

$\ldots\ldots \div 7 = \ldots\ldots$



7) Find the result of each of the following.

a)	b)	c)
7 ⟌ 1,071	472 × 15 ———	$73 \times 10^4 =$

8) Ahmed has a plant nursery that has 4,515 plants arranged in 7 rows.
How many plants are in each row?

9) Aisha sells paintings. She sold 27 paintings and earned AED 153.
About how much money has she earned from selling each painting?
Round 153 to the nearest ten and use compatible numbers.

10) Find the quotient and remainder.

530 ÷ 25

11) Mustafa had a roll of paper that is 3,648 centimeters long.
He divided up the paper into 57 equal pieces.
What is the length of each piece of paper?

12) Divide $18,684 \div 346$. What is the first digit of the quotient?
The first digit of the quotient is …….

346 ⟌ 18,684

13) Find the prime factorization of 100 using the exponents.

14) Find 5×73 using the Distributive Property.

15) Write >, < or = in each ◯ to form a correct sentence.

a) 234,765 ◯ 234,675
b) 7,002,567 ◯ 7,200,567
c) 32.50 ◯ 32.5
d) 65.3 ◯ 6.53