โรงเรียนเลิศหล้า ถนนเกษตร-นวมินทร์
LERTLAH SCHOOL KASET-NAWAMIN ROAD
ENGLISH PROGRAM

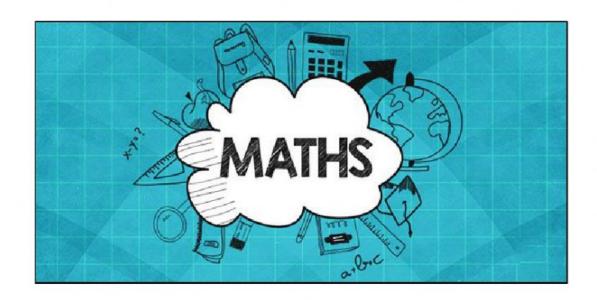**Name:**   **Grade:**   **No:**

M.1 Mathematics Booklet

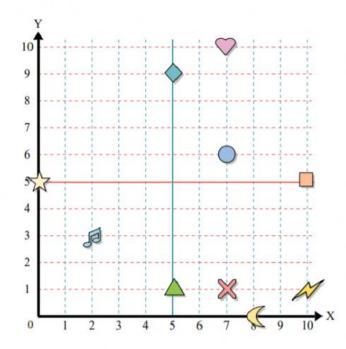# Unit 1: Patterns and Relations

Order of Operations:

1) Simplify:

a. $25 - 7 \times 2$

b. $60 \div (4 + 8)$

c. $12 + 3 \times 5 - 4$

_____

_____

_____

_____

_____

_____

Graphing on a coordinate grid:

2) Use the grid below to determine the coordinates where each figure is located.

1) Star _____

2) Lightning _____

3) Circle _____

4) Heart _____

5) Cross _____

6) Triangle _____

7) Moon _____

8) Square _____

9) Diamond _____

10) Music Note _____

Patterns in division:

3) Use the divisibility rules to tick the correct answers.

	2	3	4	5	6	9
246						
274						
795						
183						
185						
608						
561						
976						
416						
615						
702						
358						

Algebraic expressions:

4) Evaluate each expression by replacing **n** with 9.

a. $n + 24 =$ _____

$=$ _____

b. $8n =$ _____

_____

c. $4n + 5 =$ _____

_____

d. $\frac{n}{3} + 12 =$ _____

_____

Patterns and relationships in tables:

5) Complete each table.

a.

Input n	Output $3n + 7$
3	
4	
6	
8	
9	

Input b	Output $12 - b$
5	
4	
6	
8	
9	

Input c	Output $26 + c$
13	
24	
36	
18	
9	

Reading and writing equations:

6) Write an equation for each sentence. Let $\underline{x}$ represent the number.

a. 12 less than a number is 5.

_____

b. One third of a number equals 17.

_____

c. Six more than double the number is 35.

_____

d. Twelve plus 4 times a number is 18.

_____

7) Write a sentence for each equation.

a. $x - 5 = 12$

_____

b. $\frac{x}{2} = 15$

_____

c. $3x + 4 = 14$

_____

Unit 2: Fractions, Decimals and Percents

Comparing fractions:

8) Write $>$, $<$ or $=$

a. $\dfrac{12}{5}$ _____ $\dfrac{14}{3}$

b. $\dfrac{31}{12}$ _____ $\dfrac{10}{9}$

c. $1\dfrac{1}{2}$ _____ $\dfrac{24}{16}$

d. $3\dfrac{4}{5}$ _____ $3\dfrac{3}{4}$

Please show your work for Question 8:

_____
_____
_____
_____
_____
_____
_____
_____
_____
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_____

Adding and Subtracting decimals:

9) Add/Subtract the questions.

a. $2.548 + 12.456$

b. $3.45 + 2.79 + 6.32 + 6.78$

_____
_____
_____
_____
_____
_____

c. $12.41 - 7.56$ d. $12.799 - 5.45$

_____
_____
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Multiplying decimals:
10) Multiply the questions.

a. 8.9×7 b. 5.6×8.9

_____
_____
_____
_____
_____
_____

c. 5.89×12.5 d. 14.5×12.6

_____
_____
_____
_____
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_____

Dividing decimals:
11) Divide the questions:

a. $14.337 \div 9$ b. $90.24 \div 4.8$

_____
_____
_____
_____
_____
_____

12) Unchalee has a part-time job after school. She words for 12 hours and earns $144.72. How much does Unchalee earn per hour?

_____
_____
_____
_____
_____
_____

Order of Operations with decimals:

13) Evaluate:

a. $14.5 + 2.2 \times 8$ b. $(14.4 \div 3) + 19$

_____
_____
_____
_____
_____
_____

c. $(8.8 + 4.6) \times (14 - 8)$ d. $12.8 + 8.9 \times 4 - 3$

_____
_____
_____
_____
_____
_____

Fractions, Decimals and Percents:

14) Write each fraction as a decimal, and then as a percent.

a. $\frac{4}{10}$ = _____ = _____   d. $\frac{24}{40}$ = _____ = _____

b. $\frac{14}{20}$ = _____ = _____   e. $\frac{17}{25}$ = _____ = _____

c. $\frac{3}{5}$ = _____ = _____   f. $\frac{21}{30}$ = _____ = _____

Solving Percent problems:

15) Find each percent:

    a. 4% *of* 90   b. 30% *of* 70.5   c. 74% *of* 364

_____
_____
_____
_____
_____
_____
_____
_____

16) Jirapat has 250 football cards. He gives 35% of them away. How many cards does Jirapat have left?

_____
_____
_____
_____
_____
_____
_____
_____
_____