

Name: _____

School: _____

Grade: _____

Practice Problem (No points)

Practice Problem

What is 25% of 50% of 72?



2024 Milton Mini-
Mathletes Ciphering

Name: _____

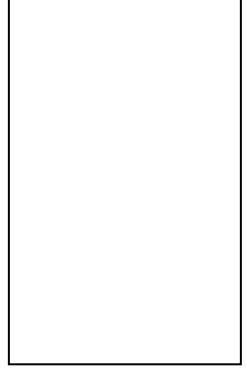
School: _____

Grade: _____

Practice Problem (No points)

Practice Problem

What is 25% of 50% of 72?



2024 Milton Mini-
Mathletes Ciphering

Name: _____

School: _____

Grade: _____

11 points

5 points

0 points

Problem 4

Ryan is 47 years old and Micah is 18 years old.

How many years will it take for Ryan to be double *Micah's* age?

Name: _____

School: _____

Grade: _____

11 points

5 points

0 points

Problem 9

Find a simplified fractional value of the below expression:

note:
 $\left(\frac{a}{b}\right)^{-1} = \left(\frac{b}{a}\right)$

$$\frac{\left(\frac{1}{2} + \frac{2}{3} \times \frac{3}{4} + \frac{4}{5}\right)^{-1}}{\frac{6}{5} \div 4}$$

Name: _____

School: _____

Grade: _____

11 points

5 points

0 points

Problem 3

Simplify the following expression:

$$3^3 + 4(5-3) / 8$$



Name: _____

School: _____

Grade: _____

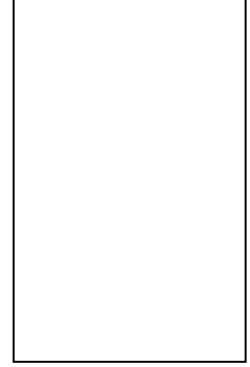
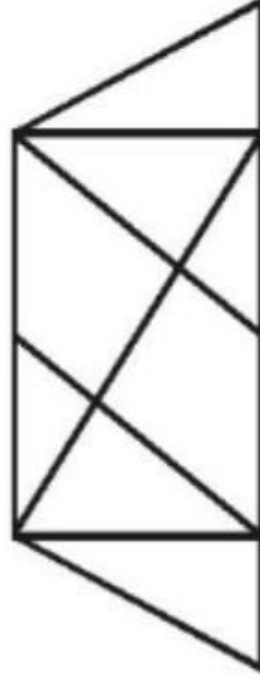
11 points

5 points

0 points

Problem 8

How many triangles are in this figure?



Name: _____

School: _____

Grade: _____


11 points

5 points

0 points

Problem 2

Ashleigh writes three consecutive odd numbers on a paper. The first two numbers, added together, equal 148. What are the three numbers?



2024 Milton Mini-
Mathletes Ciphering

Name: _____

School: _____

Grade: _____

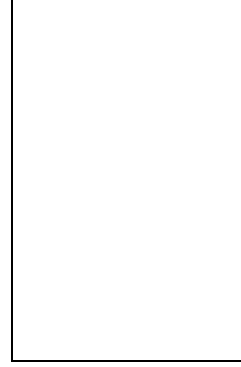
11 points

5 points

0 points

Problem 7

What is the reciprocal of the difference of the reciprocals of 3 and 4?



2024 Milton Mini-
Mathletes Ciphering

Name: _____

School: _____

Grade: _____

11 points

5 points

0 points

Problem 10

If $x \odot y = \frac{2x+4y}{xy}$, find $3 \odot (1 \odot 1)$

2024 Milton Mini-
Mathletes Ciphering

Name: _____

School: _____

Grade: _____

11 points

5 points

0 points

Problem 5

If the equation for the line $y = 2x$ has a slope of 2,
what would be the slope for the equation
for the line $23 + \frac{1}{2}y = 2x$?

2024 Milton Mini-
Mathletes Ciphering

Name: _____

School: _____

Grade: _____

11 points

5 points

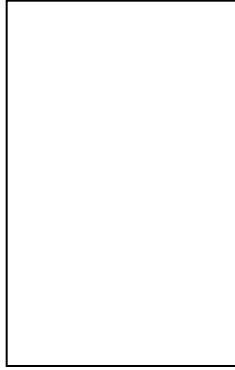
0 points

Problem 1

John and Alice are both eating from a basket of 375 apples.

Josh can eat 10 apples an hour and Alice can eat 15.

Assuming both of them do not cease their consumption until all apples are exhausted, how many hours will it take for the basket to be empty?



2024 Milton Mini-
Mathletes Ciphering

Name: _____

School: _____

Grade: _____

11 points

5 points

0 points

Problem 6

What is the sum of all the factors of 60?



2024 Milton Mini-
Mathletes Ciphering