

Mini-Mathletes 2014

Practice Ciphering

Name: _____

Grade: _____

Evaluate:

$$\frac{\frac{3}{8} + \frac{7}{8}}{\frac{4}{5}} = ?$$

ANSWER:

5 points

10 points

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Practice Ciphering

Name: _____

Grade: _____

Evaluate:

$$\frac{\frac{3}{8} + \frac{7}{8}}{\frac{4}{5}} = ?$$

ANSWER:

5 points

10 points

Mini-Mathletes 2014

Ciphering #1

Name: _____

Grade: _____

If Alexis slices a pie into ten equal pieces and then eats three pieces, what percent of the pie is left?

ANSWER:

5 points

10 points

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Ciphering #1

Name: _____

Grade: _____

If Alexis slices a pie into ten equal pieces and then eats three pieces, what percent of the pie is left?

ANSWER:

5 points

10 points

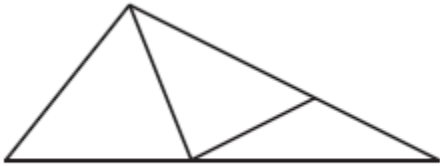
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Ciphering #2

Name: _____

Grade: _____

How many triangles are in this figure?

**ANSWER:**

5 points

10 points

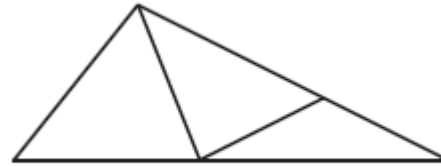
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Ciphering #2

Name: _____

Grade: _____

How many triangles are in this figure?

**ANSWER:**

5 points

10 points

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Ciphering #3

Name: _____

Grade: _____

Aunt Anna is 40 years old. Caroline is 6 years younger than Brianna, and Brianna is half as old as Aunt Anna. How old is Caroline?

ANSWER:

5 points

10 points

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Ciphering #3

Name: _____

Grade: _____

Aunt Anna is 40 years old. Caroline is 6 years younger than Brianna, and Brianna is half as old as Aunt Anna. How old is Caroline?

ANSWER:

5 points

10 points

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Ciphering #4

Name: _____

Grade: _____

Emily's pool contains 200 gallons of water. If water evaporates at the rate of 0.5 gallons per day (and no other water is added or removed), how many gallons of water will be in the pool after 24 days?

ANSWER:

5 points

10 points

Mini-Mathletes 2014

Ciphering #4

Name: _____

Grade: _____

Emily's pool contains 200 gallons of water. If water evaporates at the rate of 0.5 gallons per day (and no other water is added or removed), how many gallons of water will be in the pool after 24 days?

ANSWER:

5 points

10 points

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Ciphering #5

Name: _____

Grade: _____

Find the 20th term of the following sequence:

5, 7, 15, 17, 25, 27, ...

ANSWER:

5 points

10 points

Mini-Mathletes 2014

Ciphering #5

Name: _____

Grade: _____

Find the 20th term of the following sequence:

5, 7, 15, 17, 25, 27, ...

ANSWER:

5 points

10 points

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Ciphering #6

Name: _____

Grade: _____

What is the reciprocal of the sum of the reciprocals
of 4 and 5?

(Express your answer as a common fraction.)

ANSWER:

5 points

10 points

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Ciphering #6

Name: _____

Grade: _____

What is the reciprocal of the sum of the reciprocals
of 4 and 5?

(Express your answer as a common fraction.)

ANSWER:

5 points

10 points

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Ciphering #7

Name: _____

Grade: _____

If paper clips cost 48¢ a dozen, then
_____?_____ paper clips cost \$1.

ANSWER:

5 points

10 points

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Ciphering #7

Name: _____

Grade: _____

If paper clips cost 48¢ a dozen, then
_____?_____ paper clips cost \$1.

ANSWER:

5 points

10 points

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Ciphering #8

Name: _____

Grade: _____

'X' represents a digit. What value of 'X' makes this a correct addition problem?

$$\begin{array}{r} 2X \\ XX \\ + 24 \\ \hline 104 \end{array}$$

ANSWER:

5 points

10 points

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Ciphering #8

Name: _____

Grade: _____

'X' represents a digit. What value of 'X' makes this a correct addition problem?

$$\begin{array}{r} 2X \\ XX \\ + 24 \\ \hline 104 \end{array}$$

ANSWER:

5 points

10 points

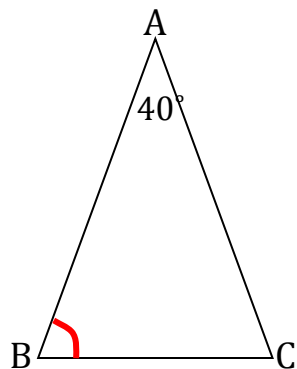
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Ciphering #9

Name: _____

Grade: _____

The triangle shown below is isosceles (side $AB = \text{side } AC$).
Angle A is 40° . Find the measure of angle B in degrees ($^\circ$).

**ANSWER:**

5 points

10 points

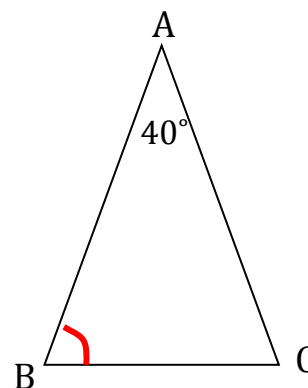
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Ciphering #9

Name: _____

Grade: _____

The triangle shown below is isosceles (side $AB = \text{side } AC$).
Angle A is 40° . Find the measure of angle B in degrees ($^\circ$).

**ANSWER:**

5 points

10 points

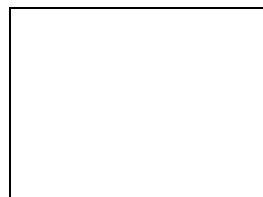
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Ciphering #10

Name: _____

Grade: _____

What is the volume, in cubic units, of a cube whose surface area is 600 square units?

ANSWER:

5 points

10 points

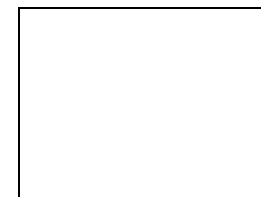
Mini-Mathletes 2014

Ciphering #10

Name: _____

Grade: _____

What is the volume, in cubic units, of a cube whose surface area is 600 square units?

ANSWER:

5 points

10 points