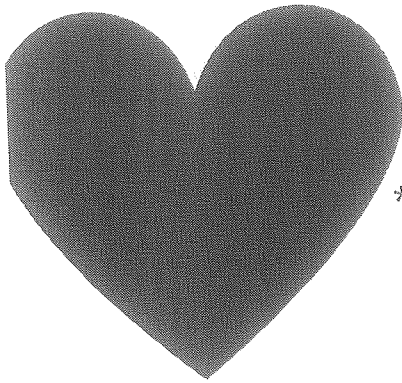




Whose Work? _____

Whose Feedback?

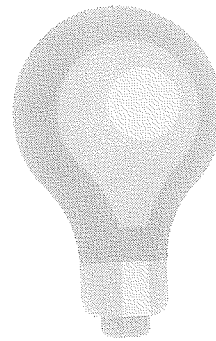
Date _____



Kind

- * What do you like?
- * What did the person do well?

I like ..



Specific

- *What could they add?
- * What do you wish they included?
- *What would make this even better?

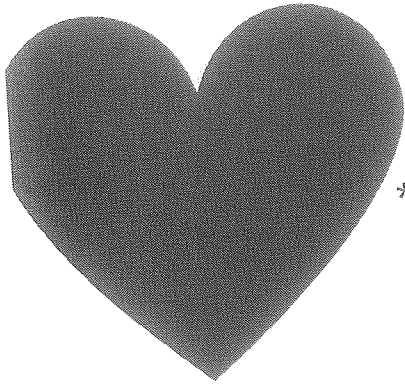
I wish



Whose Work? _____

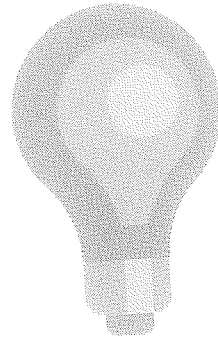
Whose Feedback?

Date _____



Kind

- * What do you like?
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- *What could they add?
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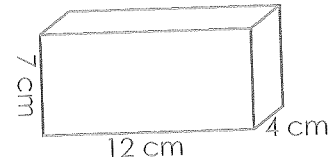
I like ..

I wish

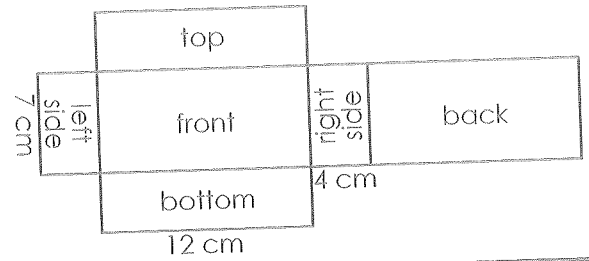
Name: _____

Surface Area

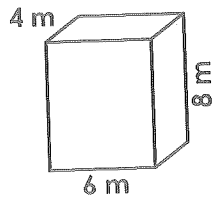
Surface area is the total area of all faces of a figure. To find the surface area of a rectangular prism, imagine it unfolded into six rectangles. Find the area of each rectangle and add them together. The sum is the surface area of the rectangular prism.



area of left side:	$4 \text{ cm} \times 7 \text{ cm} =$	28 cm^2
area of top:	$4 \text{ cm} \times 12 \text{ cm} =$	48 cm^2
area of front:	$7 \text{ cm} \times 12 \text{ cm} =$	84 cm^2
area of bottom:	$4 \text{ cm} \times 12 \text{ cm} =$	48 cm^2
area of right side:	$4 \text{ cm} \times 7 \text{ cm} =$	28 cm^2
area of back:	$7 \text{ cm} \times 12 \text{ cm} =$	$+ 84 \text{ cm}^2$
surface area =	320 cm²	



Find the surface area of the following figures.



area of left side: _____ x _____ = _____

area of top: _____ x _____ = _____

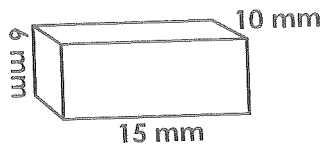
area of front: _____ x _____ = _____

area of bottom: _____ x _____ = _____

area of right side: _____ x _____ = _____

area of back: _____ x _____ = _____

surface area = _____



area of left side: _____ x _____ = _____

area of top: _____ x _____ = _____

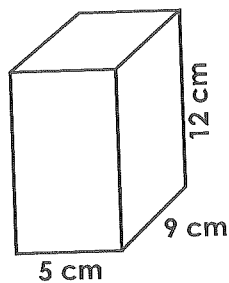
area of front: _____ x _____ = _____

area of bottom: _____ x _____ = _____

area of right side: _____ x _____ = _____

area of back: _____ x _____ = _____

surface area = _____



area of left side: _____ x _____ = _____

area of top: _____ x _____ = _____

area of front: _____ x _____ = _____

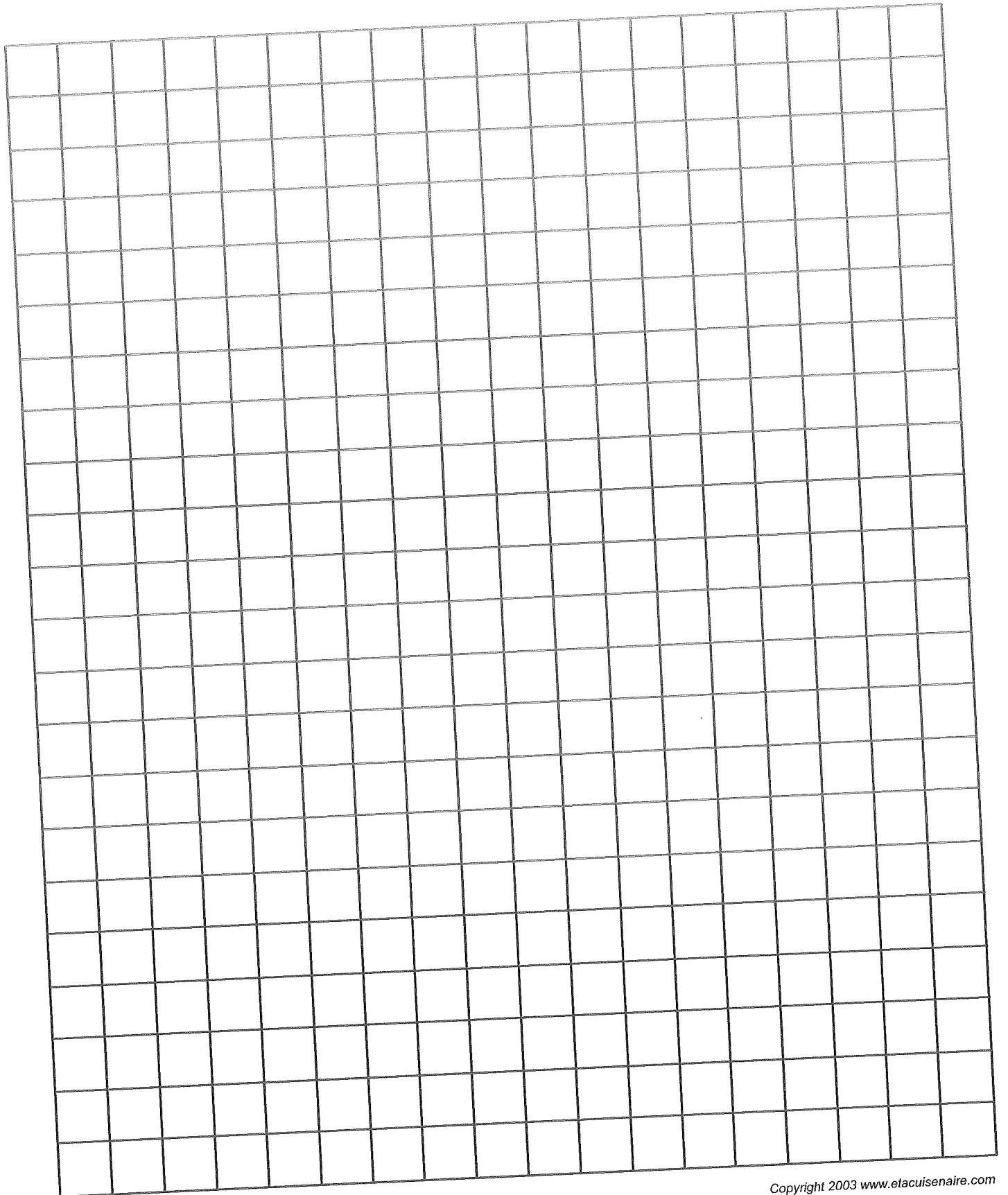
area of bottom: _____ x _____ = _____

area of right side: _____ x _____ = _____

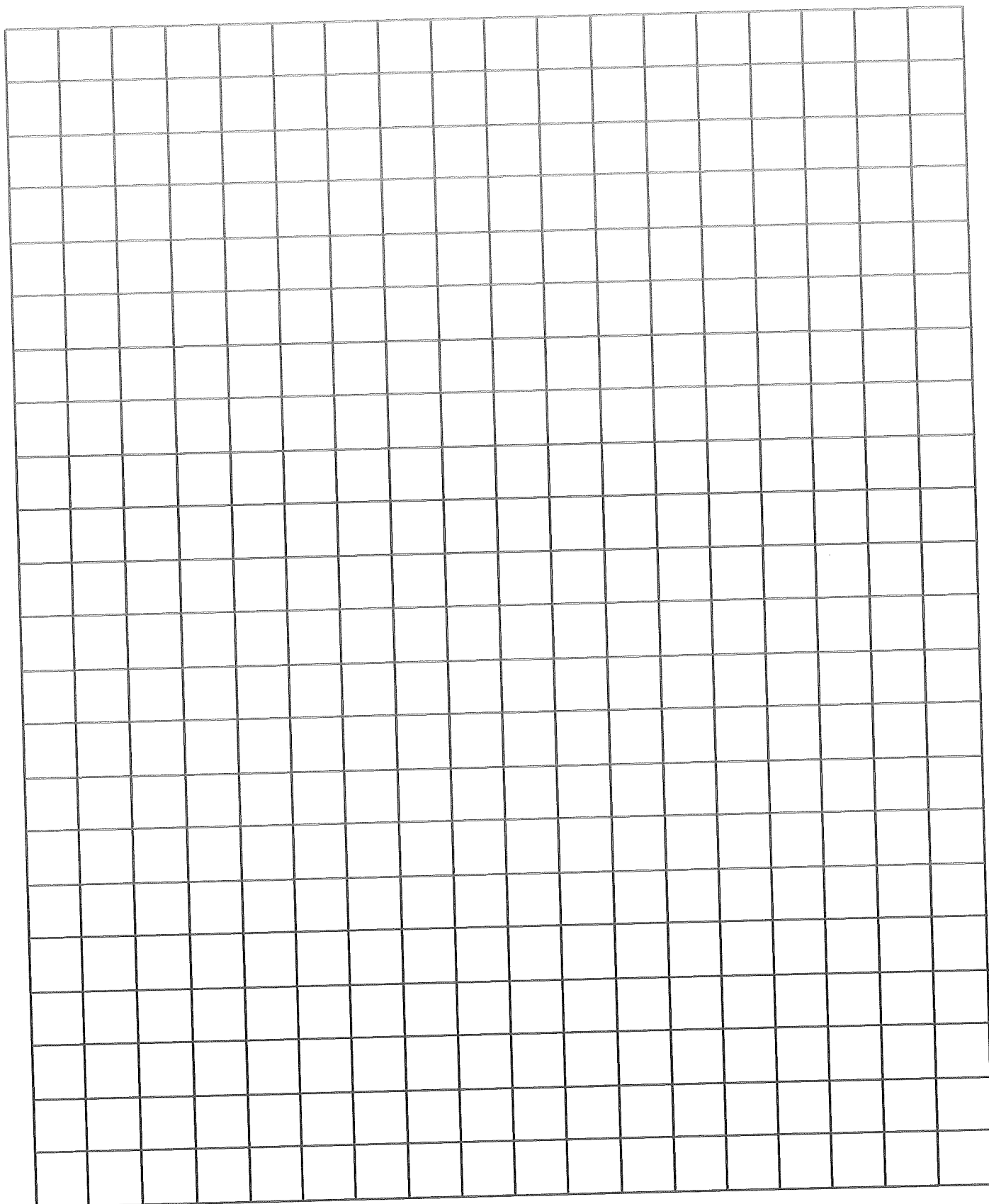
area of back: _____ x _____ = _____

surface area = _____

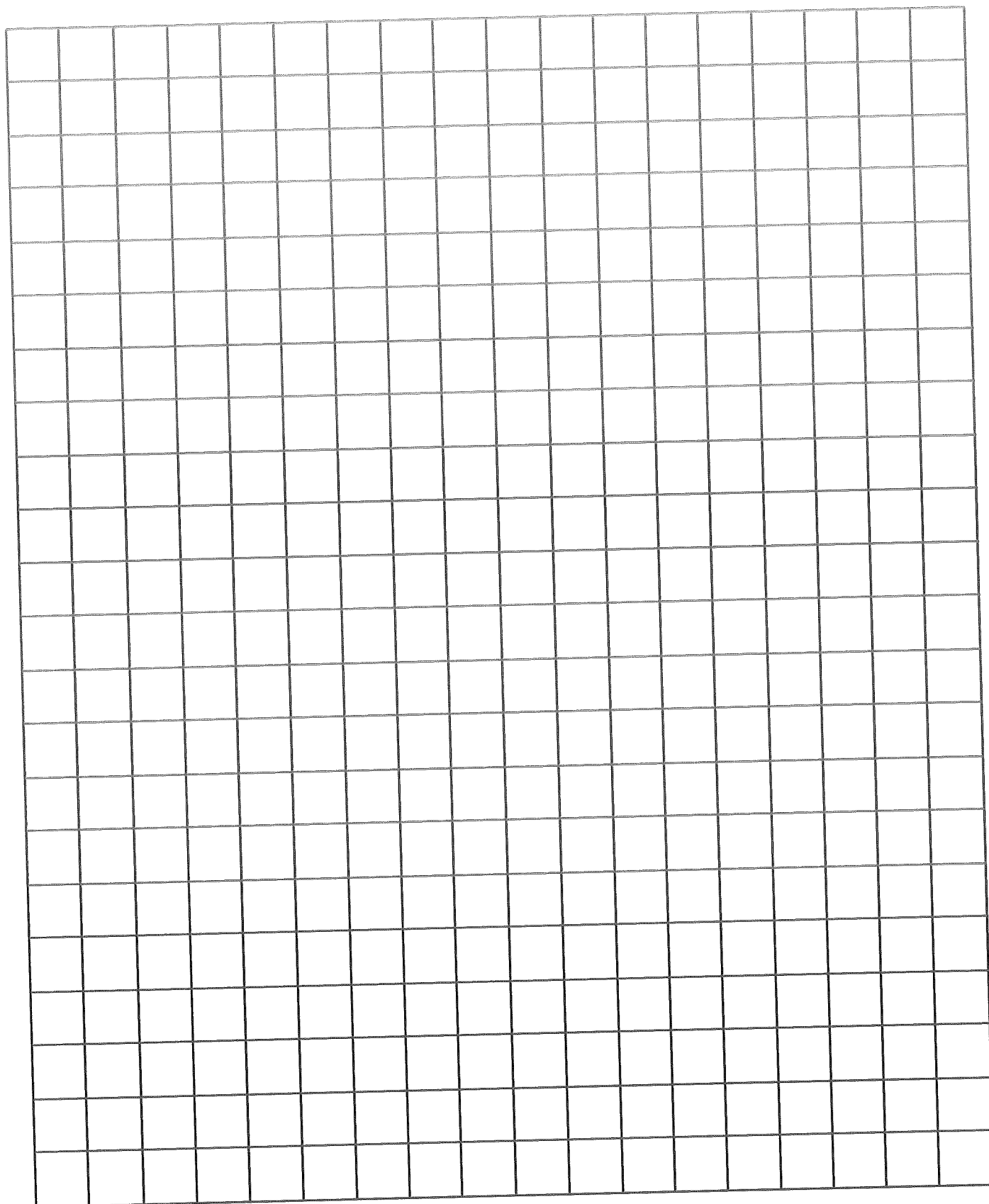
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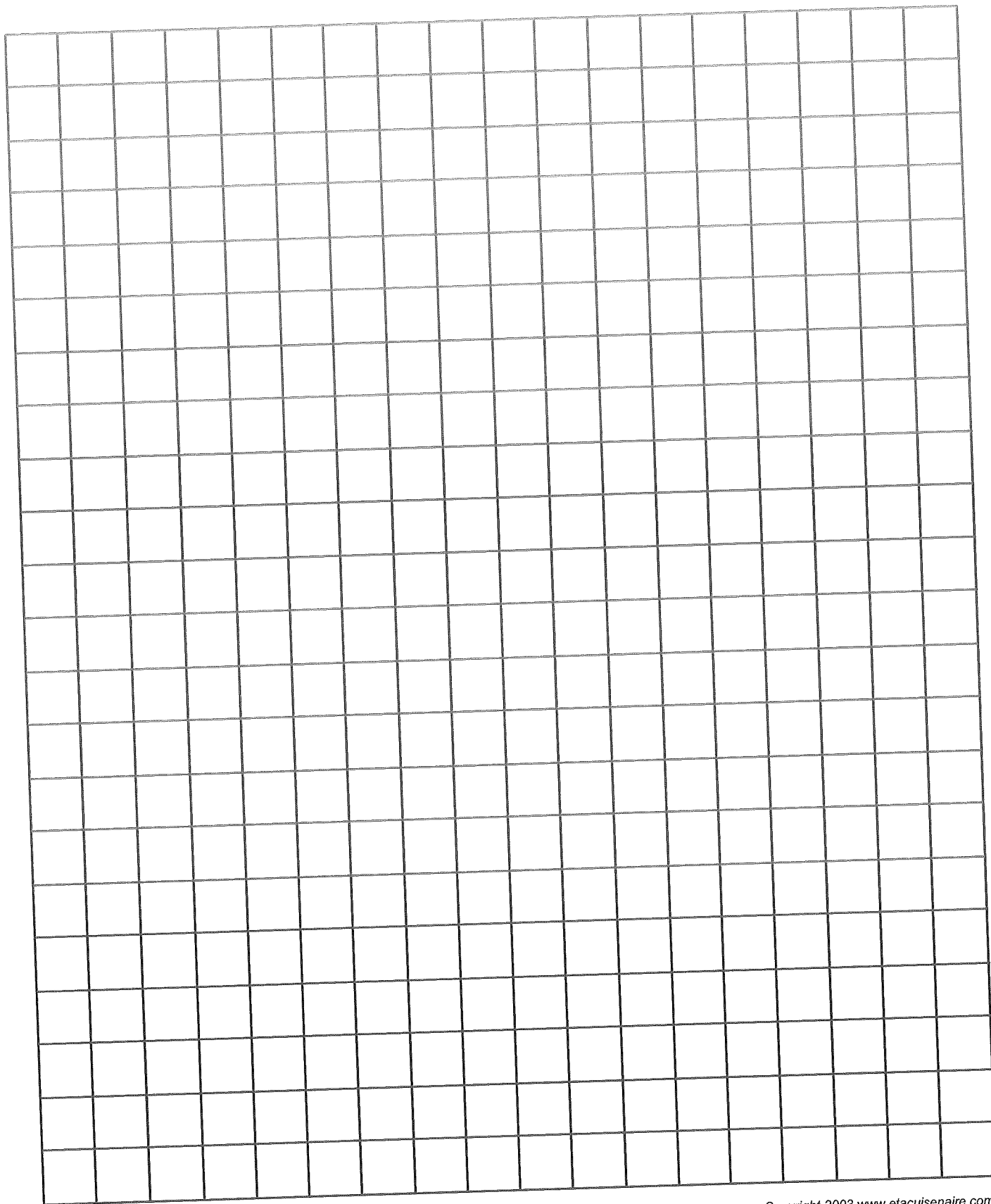
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Name: _____

Squares and Square Roots

Cut out the squares and square roots at the bottom of the page. Glue them into the box next to their equivalent number.

5	
7	
36	
8	
3	

81	
25	
9	
4	
11	

10	
64	
6	
49	
12	

Super Teacher Worksheets - www.superteacherworksheets.com

9^2	$\sqrt{49}$	6^2	$\sqrt{16}$	$\sqrt{64}$	5^2	$\sqrt{81}$	$\sqrt{100}$
$\sqrt{144}$	$\sqrt{9}$	$\sqrt{25}$	8^2	$\sqrt{36}$	$\sqrt{121}$	7^2	

Name: _____

Exponents

Rewrite each expression using exponents.

example: $7 \times 7 \times 7 \times 7 = 7^4$

a. $6 \times 6 \times 6 \times 6 \times 6$ _____

b. $3 \times 3 \times 3 \times 3$ _____

c. $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$ _____

d. 9×9 _____

e. $31 \times 31 \times 31 \times 31 \times 31 \times 31$ _____

f. $14 \times 14 \times 14$ _____

Rewrite each exponent in expanded form.

example: $5^6 = 5 \times 5 \times 5 \times 5 \times 5 \times 5$

g. $8^4 =$ _____

h. $4^9 =$ _____

i. $13^2 =$ _____

j. $100^6 =$ _____

Rewrite each exponent in standard form.

example: $6^3 = 216$

k. $5^2 =$ _____

n. $9^3 =$ _____

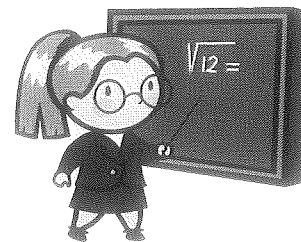
l. $7^4 =$ _____

o. $1^{12} =$ _____

m. $4^3 =$ _____

p. $2^6 =$ _____

Partner Problem Directions



This activity can be used as practice for evaluating rational square and cube roots. It would also be a nice review prior to starting estimating irrational roots. Students work in pairs to strengthen communication within the math classroom.

- Copy 1 paper per pair. Cut the papers in half.
- Each pair receives 1 paper. 1 student completes the “sun” side. The other student completes the “moon” side.
- Each student answers the 10 questions on his/her paper. Partners should compare their answers.
- This activity is self checking. The questions are different, but the answers to corresponding numbers are the same. If students differ on an answer, they should have a mathematical discussion to determine who is correct.



Partner Problems:

Evaluate each root. Compare your answers with your partner. They should match.





Name:



Partner Problems:

Evaluate each root. Compare your answers with your partner. They should match.

Name:

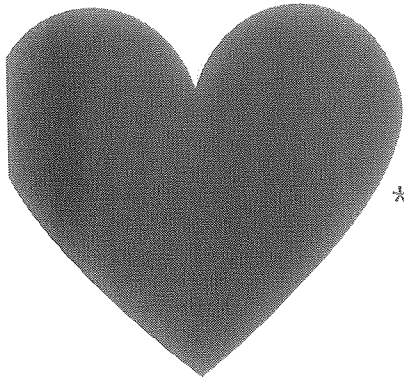
1	$\sqrt{36} =$	1	$\sqrt[3]{216} =$
2	$\sqrt[3]{125} =$	2	$\sqrt{25} =$
3	$-\sqrt{9} =$	3	$\sqrt[3]{-27} =$
4	$\sqrt[3]{-64} =$	4	$-\sqrt{16} =$
5	$8^2 =$	5	$4^3 =$
6	<p>What is the side length of a square with an area of 25 square units?</p> 	6	<p>What is the side length of a cube with a volume of 125 cubic units?</p> 
7	<p>What is the side length of a cube with a volume of 216 cubic units?</p> 	7	<p>What is the side length of a square with an area of 36 square units?</p> 
8	$\sqrt[3]{-1} =$	8	$-\sqrt{1} =$
9	$\sqrt{-100} =$	9	$\sqrt{-121} =$
10	$\sqrt{16} =$	10	$\sqrt[3]{64} =$



Whose Work? _____

Whose Feedback?

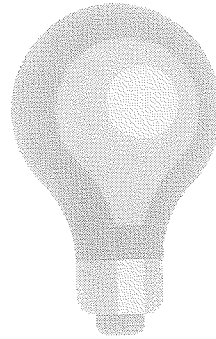
Date _____



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- * What do you like?
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Specific

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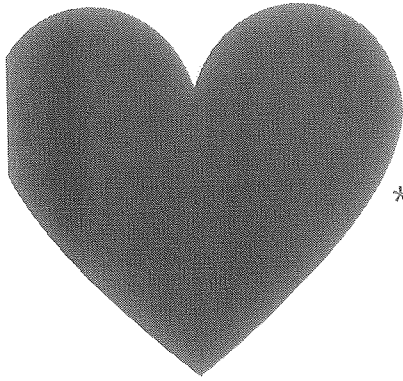
I wish



Whose Work? _____

Whose Feedback?

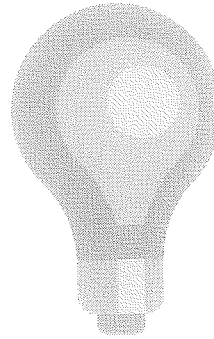
Date _____



Kind

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- *What could they add?
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I wish

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