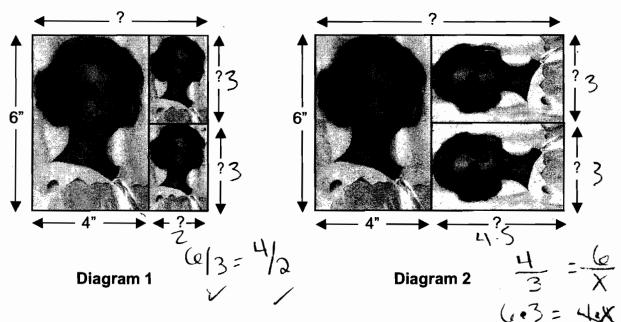
This problem gives you the chance to:

· use proportion in a real life geometric context

T1

A photographer wants to print a photograph and two smaller copies on the same rectangular sheet of paper. The photograph is 4 inches wide and 6 inches high.

Here are two ways he could do it. (Note: the diagrams are not drawn to actual size.)



1. Find the measurements of the small photographs for each arrangement. Show your calculations and explain how you figured it out.

4 = X

Diagram 1

6:2=3

For diagram 1 the height is co for the regular product so each other one has to be 3 inches high and the smaller photo has a decreasment ratio of about 3/6 so it would be half wice so it is a inches wice.

For diagram 2 the height for the big picture is 6 so the smaller pictures are 3 inches wide. The decreasment ratio for width is 4/3 so the height would be 4.5 inches.

2. Find the size of the sheet of paper for each arrangement.

Diagram 1

The measurements of the sheet of paper are _____ wide and ____ high.

Diagram 2

The measurements of the sheet of paper are ________ wide and ______ high.

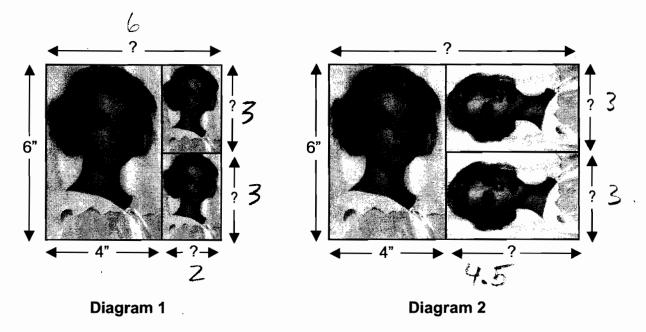
This problem gives you the chance to:

· use proportion in a real life geometric context

T2

A photographer wants to print a photograph and two smaller copies on the same rectangular sheet of paper. The photograph is 4 inches wide and 6 inches high.

Here are two ways he could do it. (Note: the diagrams are not drawn to actual size.)



1. Find the measurements of the small photographs for each arrangement. Show your calculations and explain how you figured it out.

Diagram 1		1
1 knew half of 6 15 3		1
diagram looked square . so	it to be 2 wide	0
	/	1

Test 7

The width of each small photo would be 3'(6=2)

and the height would be 4.5" because in

order to peep the shapes similar that would

be the dimensions.

2. Find the size of the sheet of paper for each arrangement.

Diagram 1

The measurements of the sheet of paper are ______ wide and _____ high.

Diagram 2

The measurements of the sheet of paper are 8.5 wide and 6 high

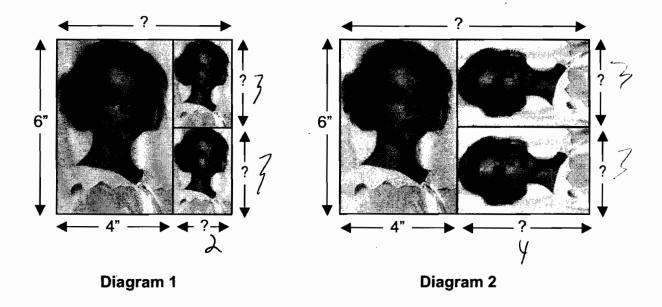
This problem gives you the chance to:

· use proportion in a real life geometric context

Т3

A photographer wants to print a photograph and two smaller copies on the same rectangular sheet of paper. The photograph is 4 inches wide and 6 inches high.

Here are two ways he could do it. (Note: the diagrams are not drawn to actual size.)



1. Find the measurements of the small photographs for each arrangement. Show your calculations and explain how you figured it out.

Diagram 1

I did scall factoring first I did

half of 6 / for the Sides + harf

of a for the bottern

X

I Med	<u> </u>	<u>alo</u>	Podovi	nc,		
Idid	half			•	the	/
م الم	1	¥	-5	C	Car	

2. Find the size of the sheet of paper for each arrangement.

Diagram 1				
The measurements of the sheet of paper are _	_ wide and _	6_	_ high.	

Diagram 2	×			
The measurements of the sheet of paper are	wide and _	6_	high.	U

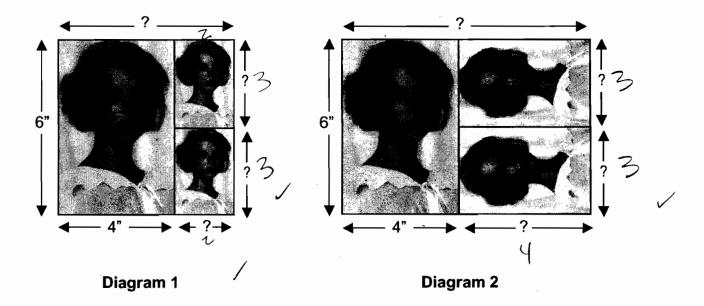
This problem gives you the chance to:

· use proportion in a real life geometric context

T4

A photographer wants to print a photograph and two smaller copies on the same rectangular sheet of paper. The photograph is 4 inches wide and 6 inches high.

Here are two ways he could do it. (Note: the diagrams are not drawn to actual size.)



1. Find the measurements of the small photographs for each arrangement. Show your calculations and explain how you figured it out.

Diagram 1

The smaller photos are Z" by 3" because two of them fit into the 6" side, making one side 3". The full 3 photos is a square, so 6-4-(2). Z" for the other side of the small photos.

3" by 4" I know that the width has to be

3 because it is half of the other side, the
hieath locked about the south as the
width of the to larger photo, so that side

2. Find the size of the sheet of paper for each arrangement.

The measurements of the sheet of paper are _____ wide and ____ high.

Diagram 2

The measurements of the sheet of paper are ______ wide and _____ high.

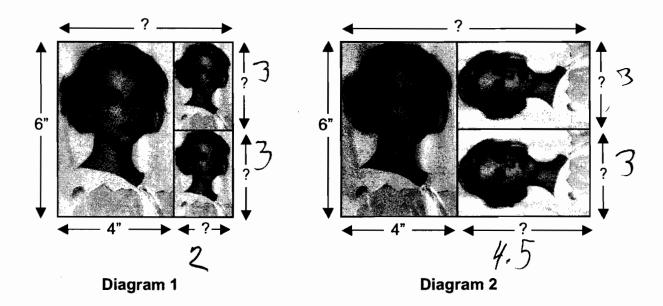
0

This problem gives you the chance to:

· use proportion in a real life geometric context

A photographer wants to print a photograph and two smaller copies on the same rectangular sheet of paper. The photograph is 4 inches wide and 6 inches high.

Here are two ways he could do it. (Note: the diagrams are not drawn to actual size.)



1. Find the measurements of the small photographs for each arrangement. Show your calculations and explain how you figured it out.

Diagram 1	6+2=3	4=2=2	3x2=6/
	/		

	Diagram 2 6:2=3	3=== 3:2= 4.5 x3= 135 fw	5 -1,5xi
	13.8		(
2.	Find the size of the sheet of paper for each arr	rangement.	
	Diagram 1 The measurements of the sheet of paper are	wide and b high.	1
	Diagram 2	8. 5 b	ſ
	The measurements of the sheet of paper are	wide and high.	1

This problem gives you the chance to:

· use proportion in a real life geometric context

S1

A photographer wants to print a photograph and two smaller copies on the same rectangular sheet of paper. The photograph is 4 inches wide and 6 inches high.

Here are two ways he could do it. (Note: the diagrams are not drawn to actual size.)

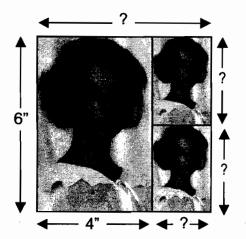


Diagram 1

Diagram 2

1. Find the measurements of the small photographs for each arrangement. Show your calculations and explain how you figured it out.

Diagram 1 4-3/ 50 the measure Ments For the 2 smuller
4-2, so the measure Ments for the 2 smuller
pictures are 3X2 because their right side is 3", so
the only correct proportion would be 3x2.

Their bases are equal to 6:2, so they have a base of 3". The proportion to the first photo is 4, and 4:3. x=4.5, meaning the small picture's dimensions are 4.5 x3.

2. Find the size of the sheet of paper for each arrangement.

Diagram 1

The measurements of the sheet of paper are _______ wide and ______ high.

Diagram 2

The measurements of the sheet of paper are _____ wide and _ 8.5 in. high.

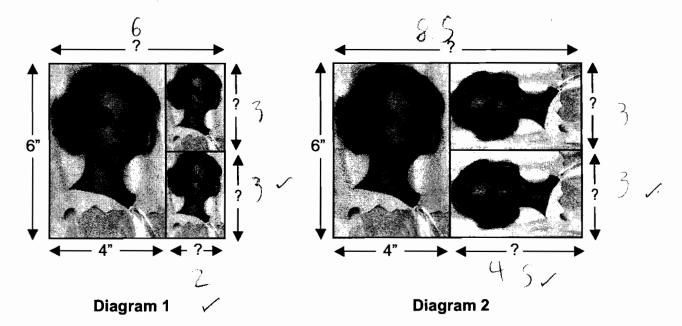
This problem gives you the chance to:

· use proportion in a real life geometric context

S2

A photographer wants to print a photograph and two smaller copies on the same rectangular sheet of paper. The photograph is 4 inches wide and 6 inches high.

Here are two ways he could do it. (Note: the diagrams are not drawn to actual size.)



1. Find the measurements of the small photographs for each arrangement. Show your calculations and explain how you figured it out.

Diagram 1				
1	used	Scale	tadar	

Diagram 2				
I used scale	fac	-lov-		-
				-
				-
Find the size of the sheet of paper for each are	rangement.			
Diagram 1				
The measurements of the sheet of paper are _	6	wide and	hiş	gh.
The measurements of the sheet of paper are	<u> </u>	wide and	hig	gh.
Diagram 2				
The measurements of the sheet of paper are	$Q \subseteq$	wide and _		~h

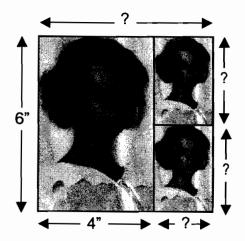
This problem gives you the chance to:

· use proportion in a real life geometric context

S3

A photographer wants to print a photograph and two smaller copies on the same rectangular sheet of paper. The photograph is 4 inches wide and 6 inches high.

Here are two ways he could do it. (Note: the diagrams are not drawn to actual size.)



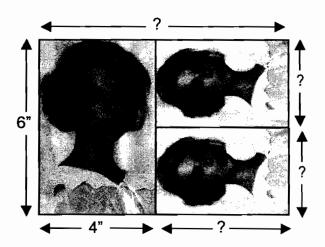


Diagram 1

Diagram 2

1. Find the measurements of the small photographs for each arrangement. Show your calculations and explain how you figured it out.

Diagram 1

1 side of the large photo is to so the other Side has to be to = 2 = 3 each. The other Side of the photo is 4 + it is cut in half on the other pic. 50 it is 2 The small Dic is a 3x2 the long side is 6 so the other side is

b. but 2 pics, so 6 \$2 = 3. The other

Side as is 4, + it is the same as

the small pic. So the small pic is

4x3

2. Find the size of the sheet of paper for each arrangement.

Diagram 1

The measurements of the sheet of paper are _____ wide and ____ high.

Diagram 2

The measurements of the sheet of paper are _____ wide and ____ high.

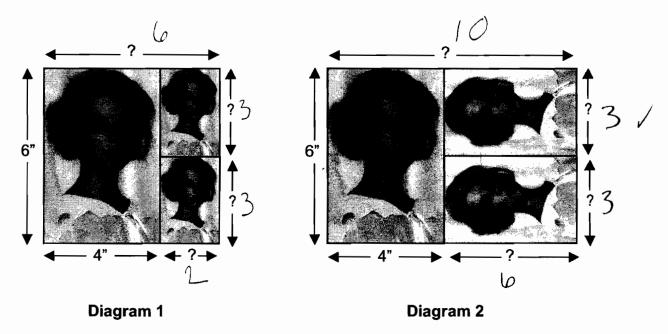
This problem gives you the chance to:

· use proportion in a real life geometric context

S4

A photographer wants to print a photograph and two smaller copies on the same rectangular sheet of paper. The photograph is 4 inches wide and 6 inches high.

Here are two ways he could do it. (Note: the diagrams are not drawn to actual size.)



1. Find the measurements of the small photographs for each arrangement. Show your calculations and explain how you figured it out.

Diagram 1

Is a square so it would be le inches around
If there is 4 on the bottom you need Emore

topis just le and the smaller pictures

are 3 because they are half of 6

The measurements of the sheet of paper are _____ wide and ____ high.

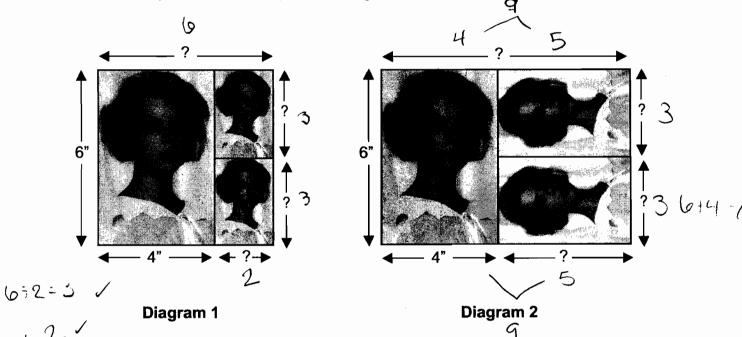
This problem gives you the chance to:

· use proportion in a real life geometric context

S5

A photographer wants to print a photograph and two smaller copies on the same rectangular sheet of paper. The photograph is 4 inches wide and 6 inches high.

Here are two ways he could do it. (Note: the diagrams are not drawn to actual size.)



1. Find the measurements of the small photographs for each arrangement. Show your calculations and explain how you figured it out.

Diagram 1

If the original hight was 6 inches
you would devide that by two for the
cpposite side. If you subtract the 4 x
from the 6 you get 2 for the base.
For the top, I would just copie the base.

If the original hight was 6" you would devide the hight (6") by 2 for the apposite side. If you know 4 is the width, you would then do the same for the base.

2. Find the size of the sheet of paper for each arrangement.

S6

This problem gives you the chance to:

· use proportion in a real life geometric context

A photographer wants to print a photograph and two smaller copies on the same rectangular sheet of paper. The photograph is 4 inches wide and 6 inches high.

Here are two ways he could do it. (Note: the diagrams are not drawn to actual size.)

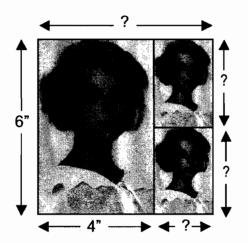


Diagram 1

Diagram 2

1. Find the measurements of the small photographs for each arrangement. Show your calculations and explain how you figured it out.

Diagram 1

4-7-2 2x3 1 divides the lengths GEThe

6-2-3 / the big Photos to Find the small

photos.

2. Find the size of the sheet of paper for each arrangement.

Diagram 1

The measurements of the sheet of paper are _____ wide and _____ high.

Diagram 2

The measurements of the sheet of paper are $\underline{\hspace{1cm}}$ wide and $\underline{\hspace{1cm}}$ high.

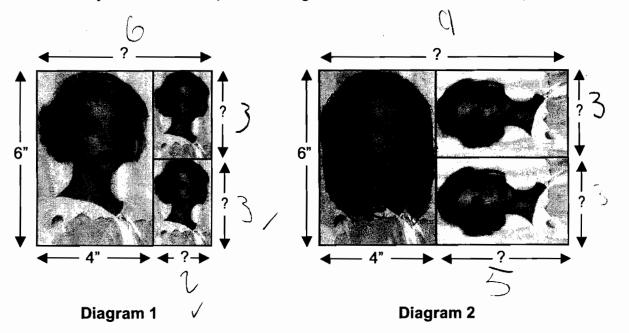
This problem gives you the chance to:

· use proportion in a real life geometric context

S7

A photographer wants to print a photograph and two smaller copies on the same rectangular sheet of paper. The photograph is 4 inches wide and 6 inches high.

Here are two ways he could do it. (Note: the diagrams are not drawn to actual size.)



1. Find the measurements of the small photographs for each arrangement. Show your calculations and explain how you figured it out.

The dialyam 1) a sware so the sider have to be equal

Diagram 2	-Charles	\$ Contract	. v :	Aleductive
1 tound	trut,	Dy	VSIM	Memocrive
feasining	and	SM	atial s	sults .

2. Find the size of the sheet of paper for each arrangement.

Diagram 1	٨	11		
The measurements of the sheet of paper are		wide and _	(Q)	_ high.

Diagram 2	~ M	X	,		_
The measurements of the sheet of paper are _	9'	wide and _	6	_ high.	0

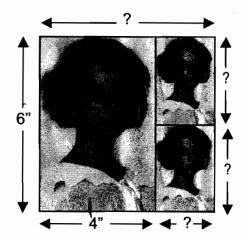
This problem gives you the chance to:

· use proportion in a real life geometric context

S8

A photographer wants to print a photograph and two smaller copies on the same rectangular sheet of paper. The photograph is 4 inches wide and 6 inches high.

Here are two ways he could do it. (Note: the diagrams are not drawn to actual size.)



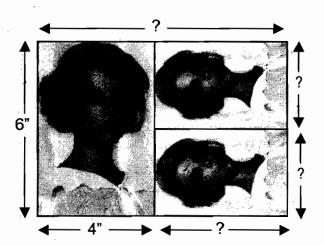


Diagram 1

Diagram 2

1. Find the measurements of the small photographs for each arrangement. Show your calculations and explain how you figured it out.

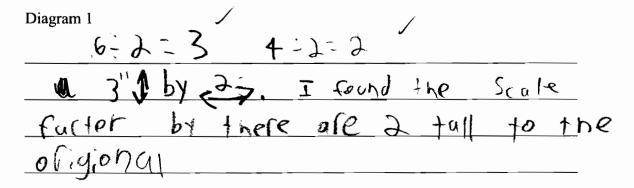
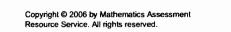


Diagram 2	S	8
6-2= 3" wide b1		
3×1,5= 4.5" +a1		_

2. Find the size of the sheet of paper for each arrangement.

Diagram 1			
		6	•
The measurements of the sheet of paper are	_6	wide and	high.



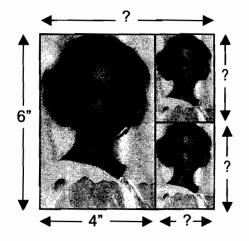
This problem gives you the chance to:

· use proportion in a real life geometric context

S9

A photographer wants to print a photograph and two smaller copies on the same rectangular sheet of paper. The photograph is 4 inches wide and 6 inches high.

Here are two ways he could do it. (Note: the diagrams are not drawn to actual size.)



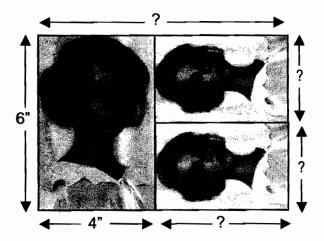


Diagram 1

Diagram 2

1. Find the measurements of the small photographs for each arrangement. Show your calculations and explain how you figured it out.

The measurements of the smaller photographs are 3in high by 2in wide. You can figure this out by doing a proportion.

	Diagram 2		× UJ	,
	The sizes for the smaller	pictures are	lin tall	1
	by 3 in wide			\cap
	4			•
		-		0
			u ,	
			*26	
2.	Find the size of the sheet of paper for each as	rrangement.		
	Diagram 1			1
	The measurements of the sheet of paper are	wide and	6in high.	L
		•	44	
	Diagram 2	×	8.	_
	The measurements of the sheet of paper are	8in. wide and	(oin, high.	C

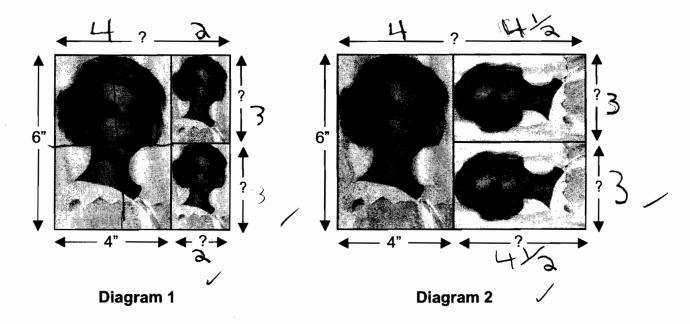
This problem gives you the chance to:

· use proportion in a real life geometric context

S10

A photographer wants to print a photograph and two smaller copies on the same rectangular sheet of paper. The photograph is 4 inches wide and 6 inches high.

Here are two ways he could do it. (Note: the diagrams are not drawn to actual size.)



1. Find the measurements of the small photographs for each arrangement. Show your calculations and explain how you figured it out.

Photograph by sealing. I then out the big picture into

T pieces which meant the smaller pictures would have half

Size measurements.

I had to use scaling proportion methods. My answers are on the other page.

2. Find the size of the sheet of paper for each arrangement.

Diagram 1

The measurements of the sheet of paper are _____ wide and ____ high.

Diagram 2

The measurements of the sheet of paper are wide and 6

85 wide and 6 high.