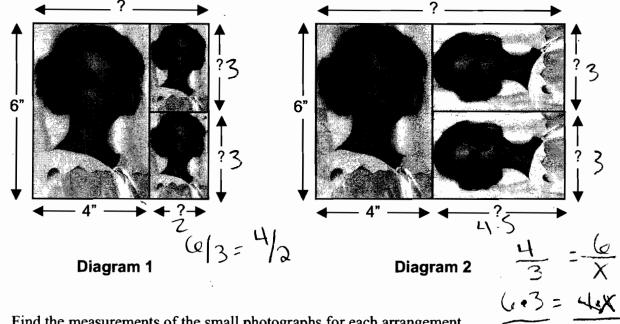
This problem gives you the chance to:

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.

4.5 = X

Diagram 1

6=2=3

For diagram 1 the height is continue tegular 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 so it is

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 8.5 wide and 6 high.

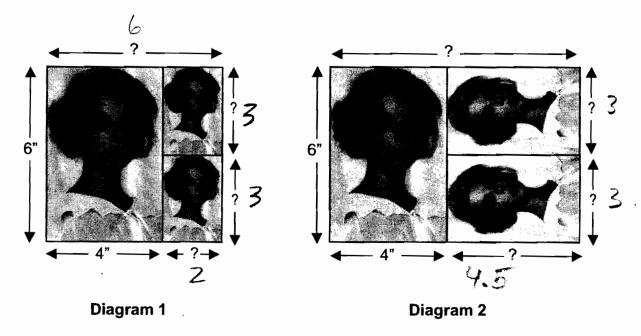
This problem gives you the chance to:

· 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.

1 knew half of 6 is 3

diagram looked square so it to be 2 wide

The width of each small photowould be 3'(6:2) and the height would be 4.5" because in order to keep 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.

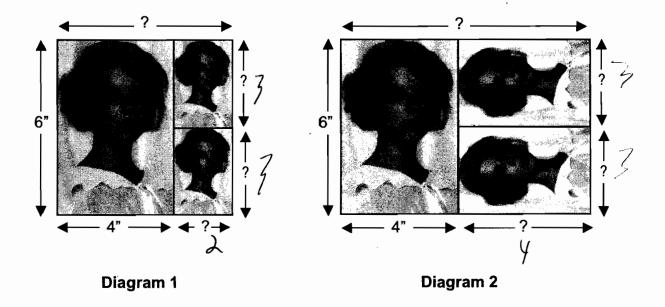
This problem gives you the chance to:

· 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 + built

of 9 for the bottern

- 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.

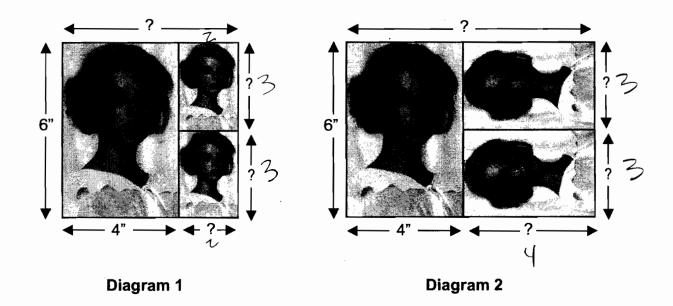
This problem gives you the chance to:

· use proportion in a real life geometric context

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 looked about the south as the width of the 4 larger photo, so that side is 4".

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

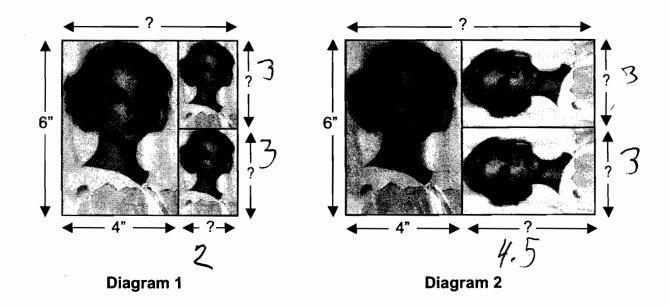
The measurements of the sheet of paper are ______ wide and _____ high.

This problem gives you the chance to:

· use proportion in a real life geometric context

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 3:2= 4,5 x3= 135 |
|---|---|
| 13.5 | |
| Find the size of the sheet of paper for each ar | |
| 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 bigh |
| Diagram 1 The measurements of the sheet of paper are | + 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

2.

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.)

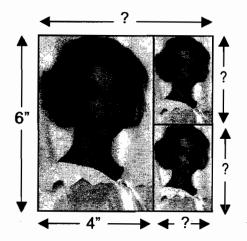


Diagram 1

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

pictures are 3x2 because their right side is 3", so

the only correct proportion would be 3x2.

| Their baces are equal to 6=2, so they have a base |
|---|
| of 3". The proportion to the first photo is I 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.

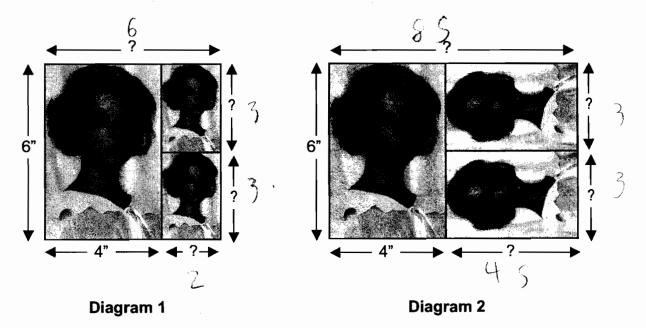
This problem gives you the chance to:

· 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 | used | Scale | factor | |
|-----------|------|-------|--------|---|
| | | | | , |
| | | | | |

| | Diagram 2 | | | | |
|----|--|-----------|--------------|----|-------|
| | I used scale | fac | 10- | | |
| | | t. | | | |
| | | | | | |
| | | | | | |
| | | _ | | | |
| | | | | | |
| • | | | | | |
| 2. | Find the size of the sheet of paper for each arr | angement. | | | |
| | Diagram 1 | | | _ | |
| | The measurements of the sheet of paper are _ | 6 | _ wide and _ | _6 | high. |
| | | | | | |
| | | | | | |
| | | | | | |
| | Diagram 2 | | | | |
| | The measurements of the sheet of paper are | 85 | wide and | 6 | high. |

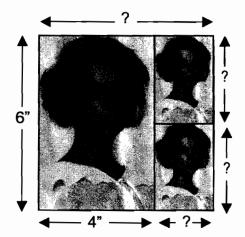
This problem gives you the chance to:

· 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.)



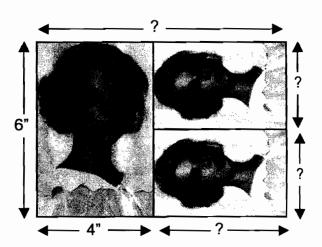


Diagram 1

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. So it is 2 The small pic 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.

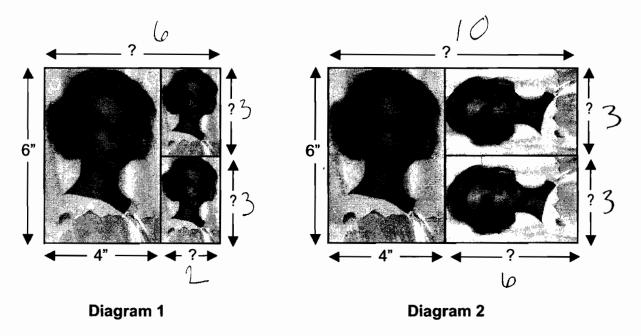
This problem gives you the chance to:

· 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 innone topis just to any the smaller pictures are 3 because they are half of 6

S4

| The topside is 10 because the smaller |
|---------------------------------------|
| picturesm Diagram Lane 3x smaller |
| Hanin Biagain 2. |
| |

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 _____ (o____ 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.)

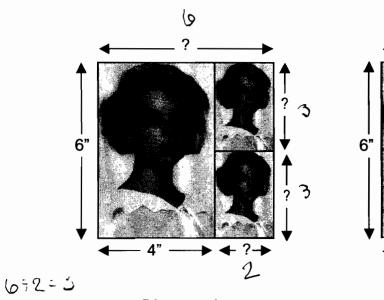


Diagram 1

2 3 6 1 4 7 3 6 1 4 7 5 5 Diagram 2

6-4=2

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 binches
you would devide that by two for the
appropriate side. If you subtract the 4
from the bigget 2 for the base.
For the top, I would just copie the base.

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 would use that to find it's five. You would then do the same for the base.

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.

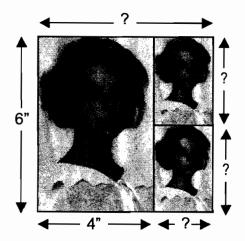
This problem gives you the chance to:

· use proportion in a real life geometric context

S6

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.)



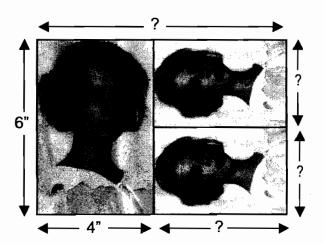


Diagram 1

Diagram 2

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

| D | انagram ا | 2x3 | ١ | 2:0:20 | 11 | ie long | 445 | 6±+4 |
|---|-----------|-----|------|--------|----|---------|-----|------|
| | 6-2-3 | | | Ph8205 | | _ | , — | |
| _ | | Chi | '.j. | | | | | |

| Diagram 2 | | | | | | | | |
|-----------|------|---------|------|--------|-------|----------|-------|-------|
| 6:2-3 | Ita | ick the | tall | one di | vided | by L | 4 | |
| 9-1-4 | to | 16·3 | the | W. Jth | 04 | +42 | shall | phito |
| | | length | | | | | | |
| Ž | ره ځ | ol | - | | | | | |
| | | • | | | | <u> </u> | | |

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.

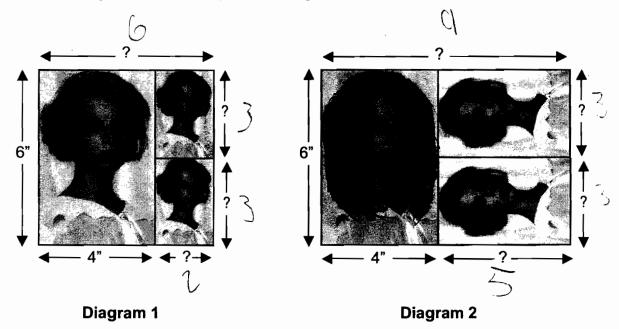
This problem gives you the chance to:

· use proportion in a real life geometric context

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.

| Diagram 1 | diville | yum | 15 | (\ _ < | maye | So |
|-----------|---------|------|------|--------|-----------|----------|
| the | Sidel | your | 40 | _\pe | (- (1)(h) | <u>.</u> |
| ama | unts | 0 | مرے_ | ace | | |
| | | 1 | J | | | |

| | leasing and spatials | Alductive suits. |
|----|--|------------------|
| 2. | 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

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.)

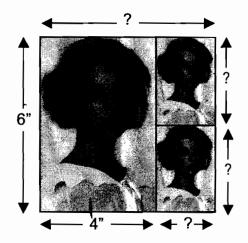
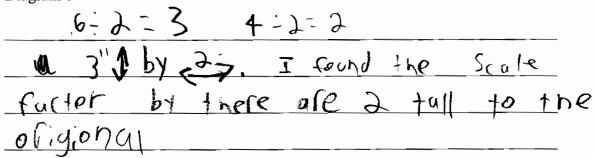


Diagram 1

Diagram 2

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

Diagram 1



| Diagram 2 | 58 |
|-----------------|----|
| 6-2= 3 wide bx | |
| 3×1.5= 4.5" +a1 | |
| | |
| | |

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

Diagram 2

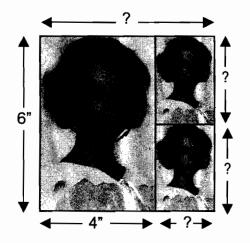
The measurements of the sheet of paper are 8,5 wide and 6 high.

This problem gives you the chance to:

· use proportion in a real life geometric context

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.)



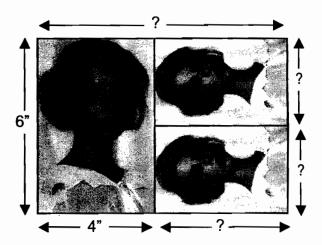


Diagram 1

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

measurements of the smaller Bin high by Zin wide. You can

Diagram 2

| Me | Sizes | by the | Smaller | pictures a | re 4 in | tall |
|----|-------|--------|---------|------------|---------|------|
| pn | 3 in. | wide | | pictures a | | |
| ۵ | | | | | | |
| | | | | | | |

y26

- 2. Find the size of the sheet of paper for each arrangement.
 - Diagram 1

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

Diagram 2

The measurements of the sheet of paper are 8 in wide and 6 in high

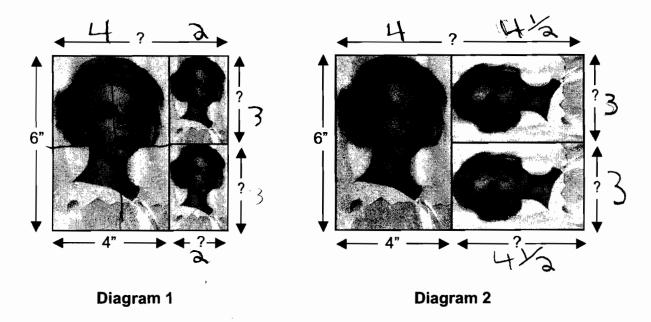
This problem gives you the chance to:

· 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.

Diagram 1

First I find the measurements of each side of each

Photograph by sealing. I then out the big picture into

H pieces which meant the smaller pictures would have half

Size measurements.

| Diagram 2 | | | | | | | | |
|-----------|-----|------|----------|-----------|---------|--------|----|---|
| I | had | to u | se scali | ng propor | tion me | thods. | Mu | , |
| | | | e other | | | | | |
| | | | • | | | | | |
| | | | | | | | | |

- 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