T1

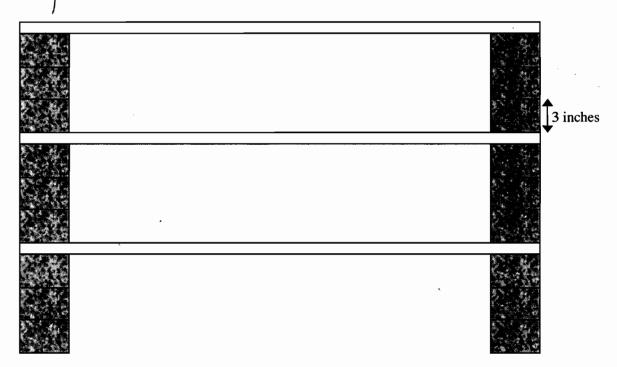
This problem gives you the chance to:

- · solve problems in a spatial context
- identify and distinguish the four point graphs related to this situation

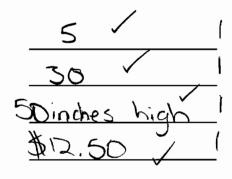
Pete is making a bookcase for his books and other stuff.

He already has plenty of bricks and can get planks of wood for \$2.50 each.

Each plank of wood measures 1 inch by 9 inches by 48 inches. Each brick measures 3 inches by 4.5 inches by 9 inches.



- 1. Pete wants five shelves in his bookcase.
 - a. How many planks of wood does he need?
 - b. How many bricks does he need?
 - c. How high will the shelves be? 9 in thes apart
 - d. How much will the bookcase cost?



T1

Description One: The cost of the bookcase against the number of shelves.

Description Two: The number of bricks against the number of shelves.

Description Three: The height of the bookcase against the number of shelves.

Description Four: The width of the bookcase against the number of shelves.

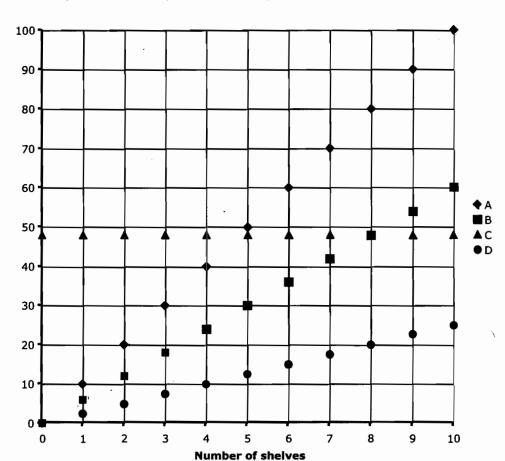
The equations of the graphs are

$$y = 48,$$

$$y = 10x$$
,

$$y = 6x$$

$$y = 2.5x$$



Graph letter	Description number	Equation
Α	3 /	y=10x /
В	2 /	V=6x /
C	4 /	V=48 /
D	1	

This problem gives you the chance to:

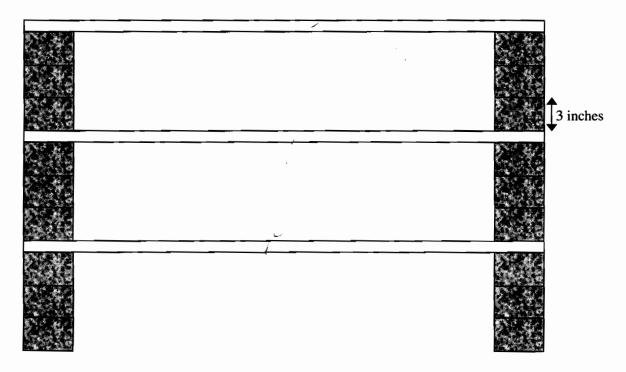
- solve problems in a spatial context
- identify and distinguish the four point graphs related to this situation

T2

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- 1. Pete wants five shelves in his bookcase.
 - a. How many planks of wood does he need?
 - b. How many bricks does he need?
 - c. How high will the shelves be?
 - d. How much will the bookcase cost?

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\$12.50		1

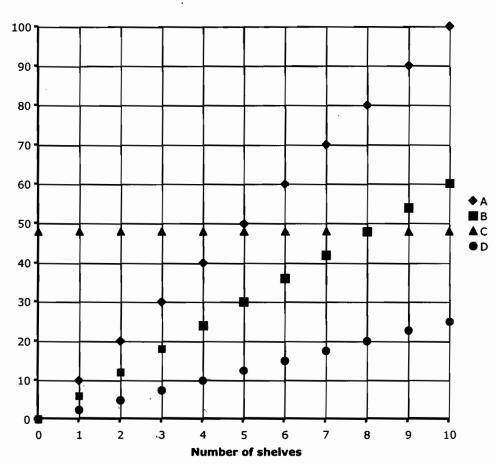
Description Two: The number of bricks against the number of shelves.

Description Three: The height of the bookcase against the number of shelves.

Description Four: The width of the bookcase against the number of shelves.

The equations of the graphs are

$$y = 48,$$
 $y = 10x,$ $y = 6x,$ $y = 2.5x$



Graph letter	Description number	Equation	
Α	ar	Y=6x X	
В	3 X	Y=10x Y	
C	4/	y=48 /	
D	1	Y = 2.5 v /	2,

This problem gives you the chance to:

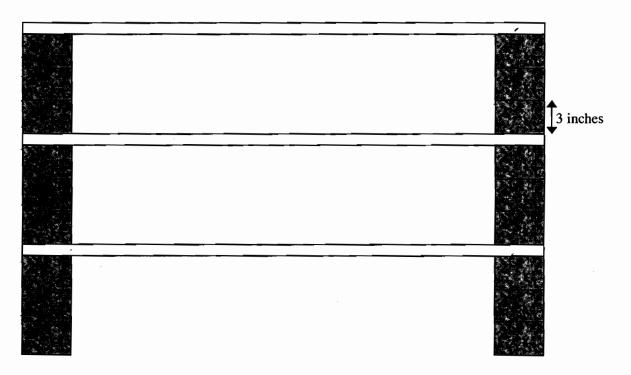
- solve problems in a spatial context
- · identify and distinguish the four point graphs related to this situation

T3

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- 1. Pete wants five shelves in his bookcase.
 - a. How many planks of wood does he need?
 - b. How many bricks does he need?
 - c. How high will the shelves be?
 - d. How much will the bookcase cost?

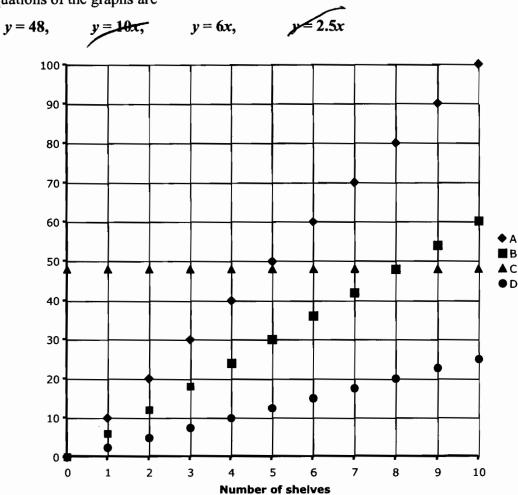
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5 ft.	\checkmark	lft	
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promption The number of brigger agains more product of shores.

Description Three: The height of the bookcase against the number of shelves.

Description Four: The width of the bookease against the number of shelves.

The equations of the graphs are



Graph letter	Description number	Equation
Α		U=10X ~
В	エン	4=6x /
C	The V	y=48 V
D	TH X	4=2.5x /

This problem gives you the chance to:

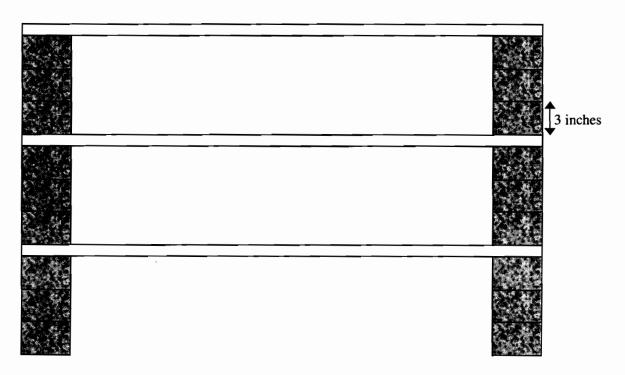
- · solve problems in a spatial context
- identify and distinguish the four point graphs related to this situation

T4

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 - b. How many bricks does he need?
 - c. How high will the shelves be?
 - d. How much will the bookcase cost?

5 _	(
30	1
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\$12.50 /	_(

Description Two: The number of bricks against the number of shelves.

Description Three: The height of the bookcase against the number of shelves.

Description Four: The width of the bookcase against the number of shelves.

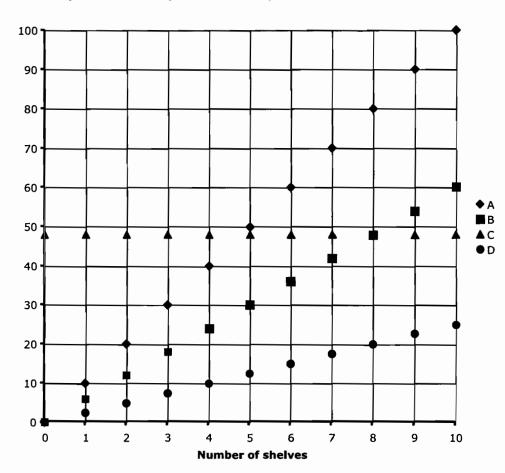
The equations of the graphs are

$$y = 48$$
,

$$y = 10x$$
,

$$y = 6x$$

$$y = 2.5x$$



Graph letter	Description number	Equation
Α	3 /	y=10 / BOD
В	21	V=6x V
С	4	V=48 /
D	1	V=25x/

T5

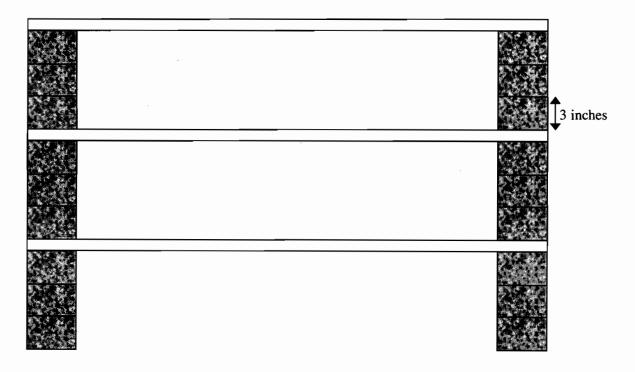
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- 1. Pete wants five shelves in his bookcase.
 - a. How many planks of wood does he need?
 - b. How many bricks does he need?
 - c. How high will the shelves be?
 - d. How much will the bookcase cost?

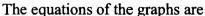
The diagram below shows graphs with the following descriptions:

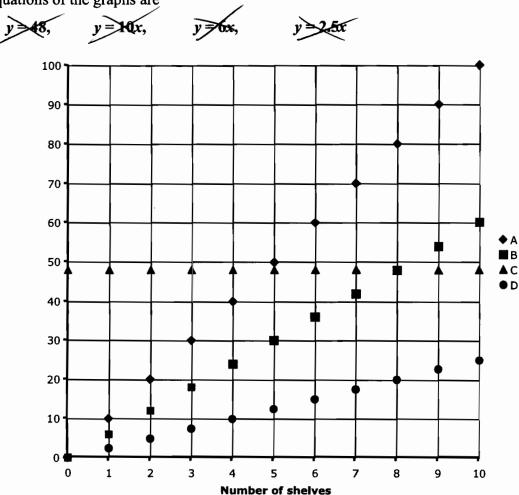
Description One: The cost of the bookcase against the number of shelves.

Description Two: The number of bricks against the number of shelves.

Description Three: The height of the bookcase against the number of shelves.

Description Four: The width of the bookcase against the number of shelves.





Graph letter	Description number	Equation
A	Description 31	Y=10x
В	Description 21	y=lex
С	Description 4/	y=48
D	Description 1/	Y=2.5x

S1

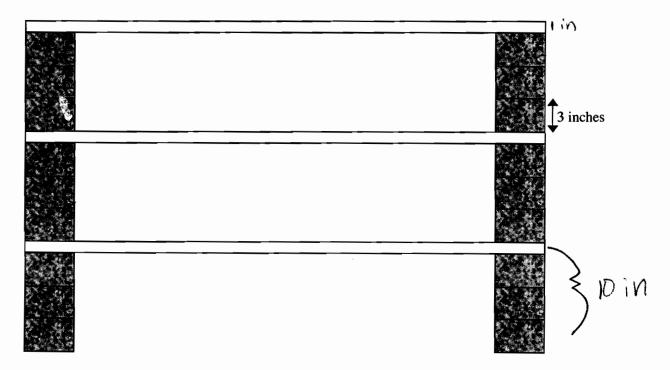
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 - c. How high will the shelves be?
 - d. How much will the bookcase cost?

S₁

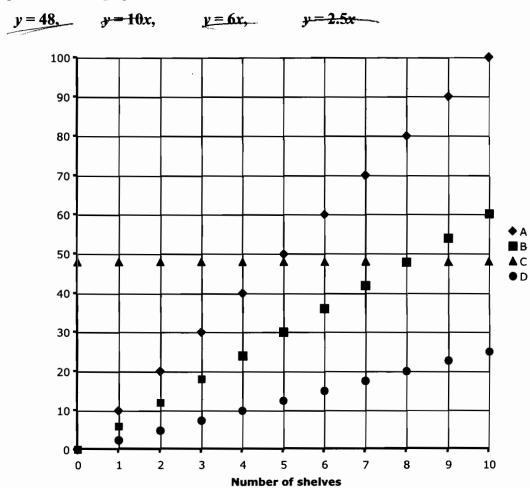
Description One: The cost of the bookcase against the number of shelves.

Description Two: The number of bricks against the number of shelves.

Description Three: The height of the bookcase against the number of shelves.

Description Four: The width of the bookcase against the number of shelves.

The equations of the graphs are



Graph letter	Description number	Equation
A	three/	V = 10× \
В	- two	4=6x ~
С	four /	y=48 V
D	one /	11=2.5×





S2

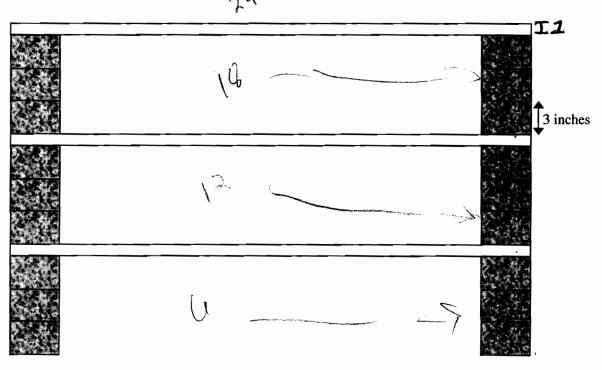
This problem gives you the chance to:

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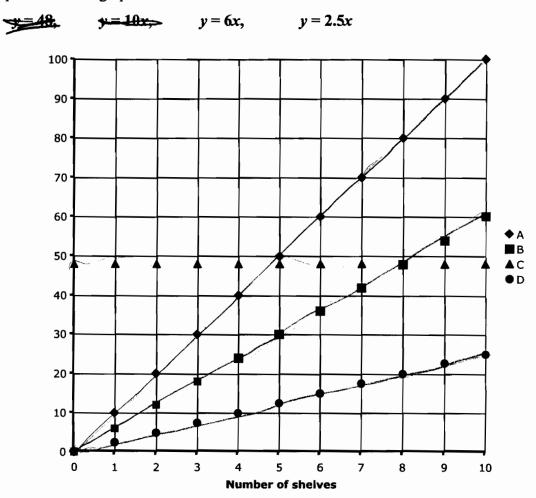
- 1. Pete wants five shelves in his bookcase.
 - a. How many planks of wood does he need?
 - b. How many bricks does he need?
 - c. How high will the shelves be?
 - d. How much will the bookcase cost?

Description Two: The number of bricks against the number of shelves.

Description The height of the bookcase against the number of shelves.

Description From The width of the bookcase against the number of shelves.

The equations of the graphs are



Graph letter	Description number	Equation
A	- 3/	Y=10x /
В	2 /	Y= 4x
С	4 /	Y=48/
D	1 /	Y=2.5X

This problem gives you the chance to:

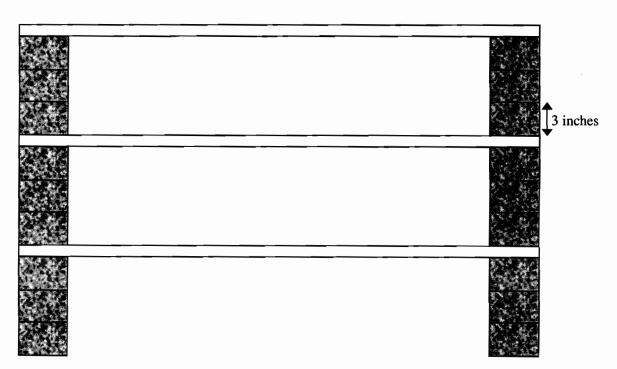
- solve problems in a spatial context
- · identify and distinguish the four point graphs related to this situation

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For each shelf, Pete will put three bricks at each end then put a plank of wood on top. The diagram shows three shelves.



- 1. Pete wants five shelves in his bookcase.
 - a. How many planks of wood does he need?

315-15

b. How many bricks does he need?

- c. How high will the shelves be?
 - d. How much will the bookcase cost?

The diagram below shows graphs with the following descriptions:

Description One: The cost of the bookcase against the number of shelves.

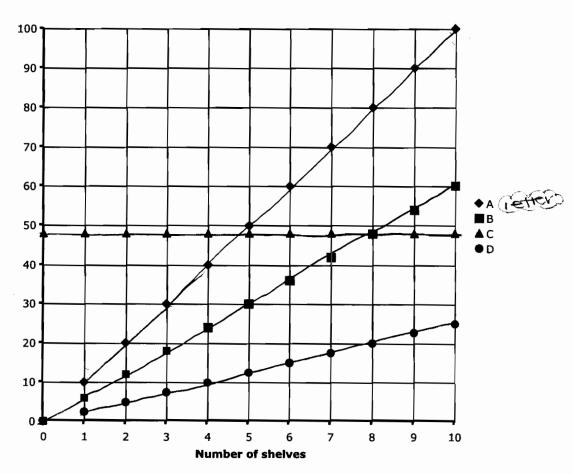
Description Two: The number of bricks against the number of shelves.

Description Three: The height of the bookcase against the number of shelves.

Description Four: The width of the bookcase against the number of shelves.

The equations of the graphs are

$$y = 48,$$
 $y = 10x,$ $y = 6x,$ $y = 2.5x$



Graph letter	Description number	Equation	
Α	# 1 1	(JE IOX V	
В	#3 x	U= OX.V	
С	# 4	U= 48 /	(₂ -
D	#a x	U= 2.5x /	2,

S4

This problem gives you the chance to:

- · solve problems in a spatial context
- · identify and distinguish the four point graphs related to this situation

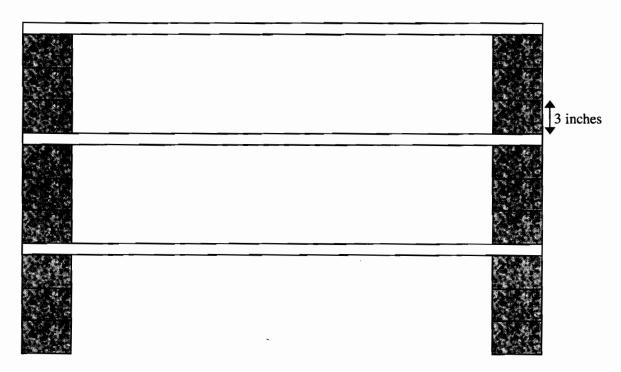
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 - a. How many planks of wood does he need?
 - b. How many bricks does he need?
 - c. How high will the shelves be?
 - d. How much will the bookcase cost?

One 10 in All: 50 in high / 1

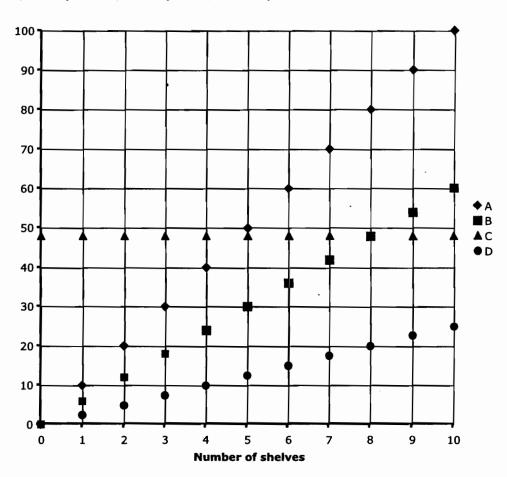
Description Two: The number of bricks against the number of shelves.

Description Three: The height of the bookcase against the number of shelves.

Description Four: The width of the bookcase against the number of shelves.

The equations of the graphs are

$$y = 48,$$
 $y = 10x,$ $y = 6x,$ $y = 2.5x$



Equation	n number	Descript	Graph letter
~	/	3	Α
	/	2	В
/	/	4	C
 V	<u> </u>	1	D
	<u> </u>	·	D

This problem gives you the chance to:

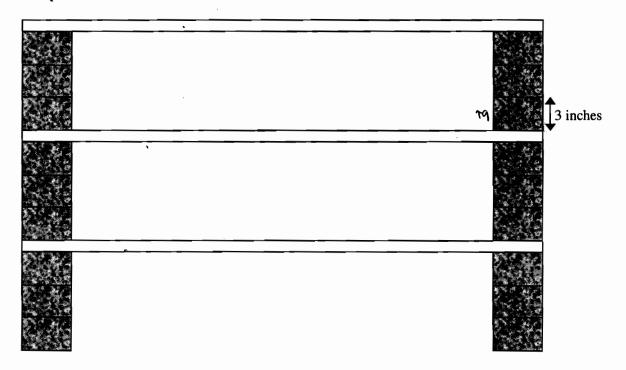
- solve problems in a spatial context
- identify and distinguish the four point graphs related to this situation

S5

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 - a. How many planks of wood does he need?
 - b. How many bricks does he need?
 - c. How high will the shelves be?
 - d. How much will the bookcase cost?

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Description Two: The number of bricks against the number of shelves.

Description Three: The height of the bookcase against the number of shelves.

Description Four: The width of the bookcase against the number of shelves.

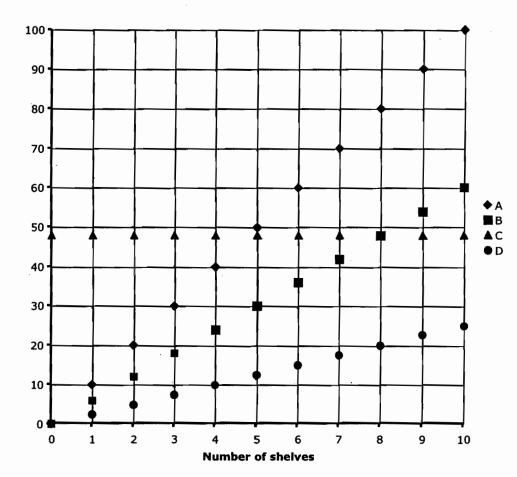
The equations of the graphs are

$$y = 48,$$

$$y = 10x$$
,

$$y = 6x$$

$$y = 2.5x$$



Graph letter	Description number	Equation
Α	3	y = 10x
В	2	V= loX
С	4 /	V=48
D	one (1) /	V= 3.5 x /
	(1)	7

S6

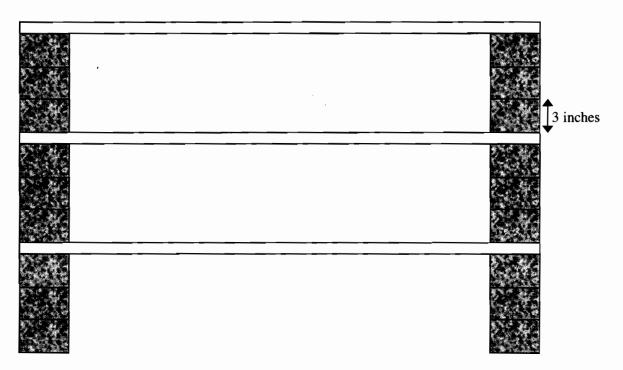
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 - b. How many bricks does he need?
 - c. How high will the shelves be?
 - d. How much will the bookcase cost?

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\$ 12.50	

The diagram below shows graphs with the following descriptions:

S6

Description One: The cost of the bookcase against the number of shelves.

Description Two: The number of bricks against the number of shelves.

Description Three: The height of the bookcase against the number of shelves.

Description Four: The width of the bookcase against the number of shelves.

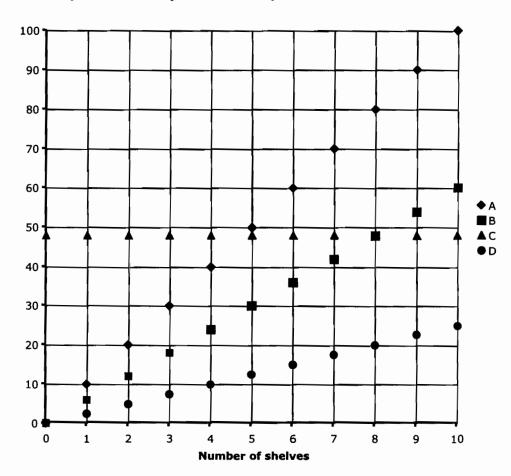
The equations of the graphs are

$$y = 48$$
,

$$y = 10x$$
,

$$y = 6x$$

$$y = 2.5x$$



Graph letter	Description number	Equation
A	4	<u></u>
В	3 X	4=10x X
C	a ×	4=6× X
D	1 /	U=3.5x



S7

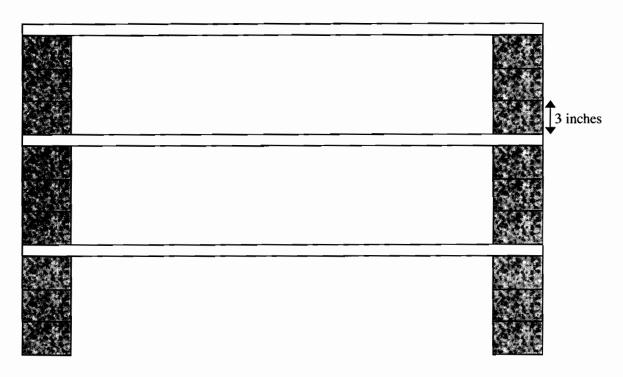
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 - c. How high will the shelves be?
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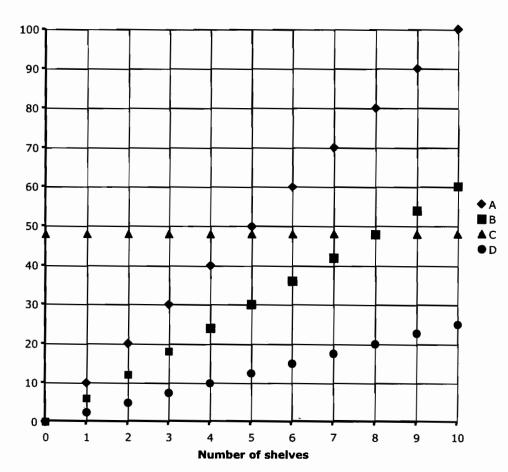
Description Two: The number of bricks against the number of shelves.

Description Three: The height of the bookcase against the number of shelves.

Description Four: The width of the bookcase against the number of shelves.

The equations of the graphs are

$$y = 48,$$
 $y = 10x,$ $y = 6x,$ $y = 2.5x$



Graph letter	Description number	Equation
Α	_3/	V= 10x
В	a /	V=6x
C	4 /	y=48 /
D		Y=2.5X

This problem gives you the chance to:

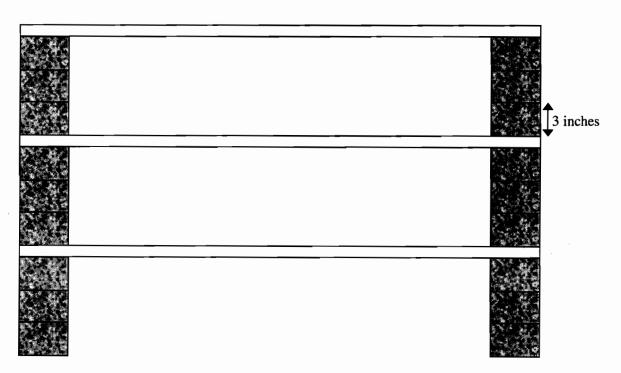
S8

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 - c. How high will the shelves be?
 - d. How much will the bookcase cost?

The diagram below shows graphs with the following descriptions:



Description One: The cost of the bookcase against the number of shelves.

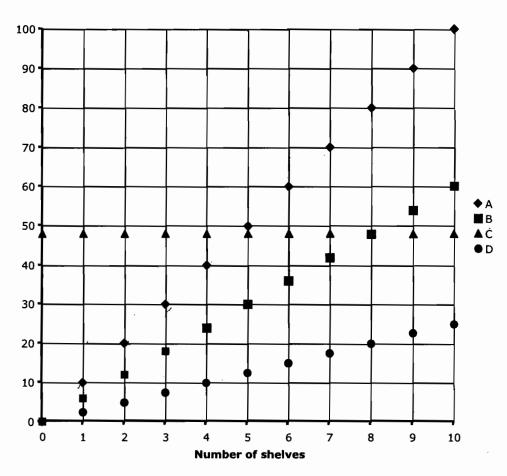
Description Two: The number of bricks against the number of shelves.

Description Three: The height of the bookcase against the number of shelves.

Description Four: The width of the bookcase against the number of shelves.

The equations of the graphs are

$$y = 48,$$
 $y = 10x,$ $y = 6x,$ $y = 2.5x$



Graph letter	Description number	Equation	
Α	3	V Tlox V	
В	2	V=2,5x x	
С	4	V=48 /	
D		(1= OX X	7 3

S9

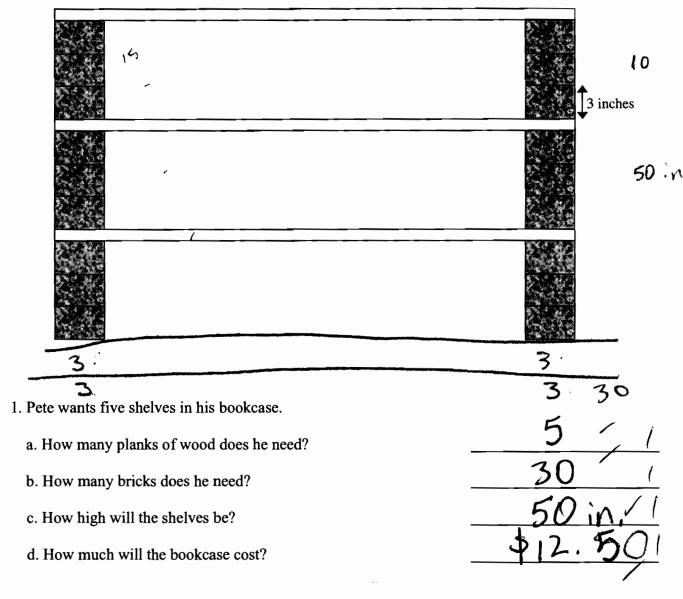
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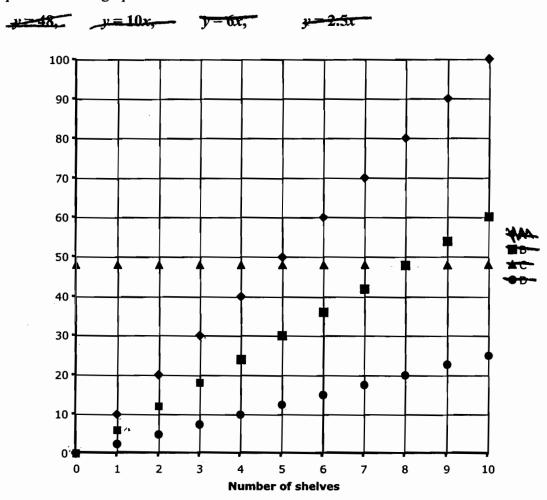


Description Two: The number of bricks against the number of shelves.

Description Three: The height of the bookcase against the number of shelves.

Description Four: The width of the bookease against the number of shelves.

The equations of the graphs are



Graph letter	Description number	Equation
A	3 /	V=10x /
В	2 /	Y=10x
C	4/	Y=48
D		V= 2.5x /

This problem gives you the chance to:

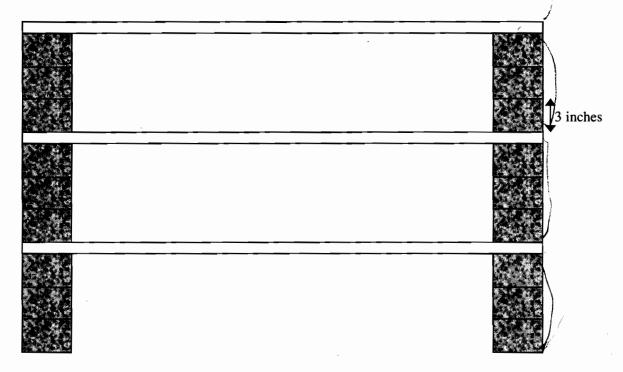
S10

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 - c. How high will the shelves be?
 - d. How much will the bookcase cost?

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*15.4	0	<u>/</u> /

Description Two: The number of bricks against the number of shelves.

Description Three: The height of the bookcase against the number of shelves.

Description Four: The width of the bookcase against the number of shelves.

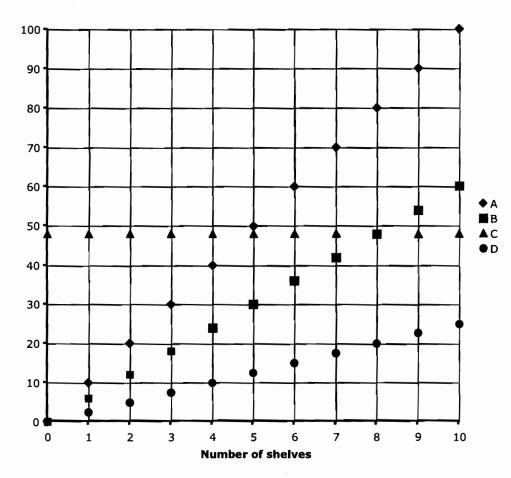
The equations of the graphs are

$$y = 48$$
,

$$y = 10x$$
,

$$y = 6x$$

$$y = 2.5x$$



Graph letter	Description number	Equation
Α	> /	(1=10× V
В	2/	y=bx ×
С	H /	Wife & BOD
D	\ /	~25> /