

Name	Class:	

Rectangle: relationship between perimeter and area, word problems

a.	The	e a	rea	of	Mrs	. S	mit	:h r	ec	tan	qu	lar	qar	de	n is	20) sc	au	re f	eet	t. T	he	per	rim	ete	r o	f th	е
				; 24																								
	gui	uc		27			110	vv	/vic				g	15 (gai	uci											
+						-																						
_																												
						-									-													
-																												
						-+																						
_						_																						
						_																						
_																												
	The	e p	erir	nete	erc	of a	a re	cta	anc	ula	ar c	res	sin	a r	oor	n n	hirr	or	is 2	8 f	eet	T	ne a	are	a o	f th	ie r	nirr
				ure																								
	15 4	+0 :	sya	ure	ree	:с. г		VV I	OII	y a	Πū	no	vv v	VICE	215	LIIE												
						-																						
_																												
_																												
						\neg																						
-						\rightarrow				-				-	-				1									
											1																	
						_																						





. . . .

NI	\cap	
Name:	Class:	

Rectangle: relationship between perimeter and area, word problems

	100	t. Hc	w v	vid						n is he (eei		ne	pei		ete			2	
et's try to th perimeter of											l giv	/e u	is a	pro	duc	t (a	rea) of	20	sqa	ure	feet	an	d a
Measure	s	Α	rea	(fee	t²) :	= lei	ngtl	hХ	wid	th	Ρ	erin	nete	er(fe	eet)	= s	um	of a	ll si	de l	eng	ths		
1 and 2	0			1	X2	20 =	20							1+	20	+ 1	+ 20) =	42					
2 and 1	0			2	2 X	10 =	20							2 +	10	+ 2	+ 1() =	24					
4 and 5	5			2	4 X	5 =	20							4 +	- 5 -	- 4	+ 5	= 18						
									_	nas (an a	area	of	20 f	eet	² an	d a	per	ime	eter	of 2	24 fe	et.	
So, the gar	den is :	2 feet	: wic	de a	nd	10 f	eet	lon	g.															
				-					-						8 f	eet	. TI	ne a	are	а о	f th	ne m	hirr	or
100		×									l giv	ve u	is a	pro	duc	t(aı	ea)	of	48 :	sqaı	ure 1	feet	anc	la
Measure	s	Α	rea	(fee	t²)	= le	ngt	h X	wid	lth	Ρ	erin	nete	er(fe	eet)	= s	um	of a	all si	de	eng	ths		
1 and 4	8			1	X	48 =	48	8						1+	48	+ 1	+ 4	8 =	90					
2 and 2	24			2	2 X	24 =	= 48	3						2 +	- 24	+ 2	+ 2	24 =	52					
3 and 1	6	_			3 X	16 =	48							3 -	- 16	+ 3	+ 16	5 = 3	38					
4 and 1	2			2	4 X	12 =	48							4 -	+ 12	+ 4	+ 1:	2 = .	32					
6 and 8	3			(6 X	8 =	48							6 -	- 8 -	+ 6	+ 8	= 28	8					
	the re	ctang	gle t	hat	is 6	5 fee	et b	y 8	feet	has	s an	are	a o	f 48	sq	aure	e fe	et a	nd a	a pe	rim	eter	of	
So, the rec	tangul	lar mi	rror	is 6	6 fe	et w	vide	and	d 8 [.]	feet	lon	g.		2										
	A course that, Course that, So, the gar Che perime S 48 sqaur Let's try to the Derimeter of Measure 1 and 4 2 and 2 3 and 1 4 and 1 6 and 8 You see that, 28 feet.	berimeter of 24 fee Measures 1 and 20 2 and 10 4 and 5 7 ou see that, a rect So, the garden is 5 o, the garden is 6 and 8 1 and 48 2 and 24 3 and 16 4 and 12 6 and 8 7 ou see that, the re 28 feet.	Derimeter of 24 feet. Let Measures A 1 and 20 A 2 and 10 A 4 and 5 A You see that, a rectangle A So, the garden is 2 feet A A and 5 A You see that, a rectangle A So, the garden is 2 feet A A and 5 A A and 5 A You see that, a rectangle A So, the garden is 2 feet A So, the garden is 2 feet A A and 5 A A and 5 A A and 12 A <	Derimeter of 24 feet. Let's data Measures Area 1 and 20 Area 2 and 10 Area 4 and 5 Area 700 see that, a rectargle that So, the garden is 2 feet wid So, the garden is 2 feet wid Area Are	Derimeter of 24 feet. Let's do th Measures 1 and 20 2 and 10 4 and 5 4 and 5 6 and 8 1 and 20	Derimeter of 24 feet. Let's do this in Measures Area(feet ²) 1 and 20 1 X 2 2 and 10 2 X 4 and 5 4 X 7ou see that, a rectangle that is 2 feet So, the garden is 2 feet wide and So, the garden is 2 feet wide and Area(feet ²) 1 and 20 4 and 5 6 and 8 Area(feet ²) 1 and 48 1 and 48 4 and 12 4 and 12 4 and 5 5 48 sqaure 6 and 8 6 and 8 28 feet	Derimeter of 24 feet. Let's do this in a too the sin at too too too too too too too too too	perimeter of 24 feet. Let's do this in a tabu Measures Area(feet ²) = length 1 and 20 1 X 20 = 20 2 and 10 2 X 10 = 20 4 and 5 4 X 5 = 20 You see that, a rectangle that is 2 feet by 1 So, the garden is 2 feet wide and 10 feet So, the garden is 2 feet wide and 10 feet The perimeter of a rectangular dress s 48 sqaure feet. How long and how Let's try to think of two pairs of factors of perimeter of 28 feet. Let's do this in a tabu Measures Area(feet ²) = lengt 1 and 48 1 X 48 = 48 2 and 24 2 X 24 = 48 3 and 16 3 X 16 = 48 4 and 12 4 X 12 = 48 You see that, the rectangle that is 6 feet b 28 feet.	berimeter of 24 feet. Let's do this in a tabular Measures Area(feet ²) = length X 1 and 20 1 X 20 = 20 2 and 10 2 X 10 = 20 4 and 5 4 X 5 = 20 7 ou see that, a rectangle that is 2 feet by 10 feet So, the garden is 2 feet wide and 10 feet lon So, the garden is 2 feet wide and 10 feet lon So, the garden is 2 feet wide and 10 feet lon a bound how w Let's try to think of two pairs of factors of 48 berimeter of 28 feet. Let's do this in a tabular Measures Area(feet ²) = length X 1 and 48 1 X 48 = 48 2 and 24 2 X 24 = 48 3 and 16 3 X 16 = 48 4 and 12 4 X 12 = 48 6 and 8 6 X 8 = 48 28 feet.	berimeter of 24 feet. Let's do this in a tabular form Measures Area(feet ²) = length X wide 1 and 20 1 X 20 = 20 2 and 10 2 X 10 = 20 4 and 5 4 X 5 = 20 You see that, a rectangle that is 2 feet by 10 feet H So, the garden is 2 feet wide and 10 feet long. The perimeter of a rectangular dressing r s 48 sqaure feet. How long and how wide Let's try to think of two pairs of factors of 48 that berimeter of 28 feet. Let's do this in a tabular form Measures Area(feet ²) = length X wide 1 and 48 1 X 48 = 48 2 and 24 2 X 24 = 48 3 and 16 3 X 16 = 48 4 and 12 4 X 12 = 48 6 and 8 6 X 8 = 48 You see that, the rectangle that is 6 feet by 8 feet 28 feet.	berimeter of 24 feet. Let's do this in a tabular form. Measures Area(feet²) = length X width 1 and 20 2 and 10 2 and 10 2 and 5 4 and 5 4 and 5 4 and 5 6 and 8 6 and 8 6 and 8 6 and 8	Deerimeter of 24 feet. Let's do this in a tabular form. Measures Area(feet²) = length X width 1 and 20 2 and 10 2 and 10 2 x 10 = 20 4 and 5 4 X 5 = 20 (ou see that, a rectangle that is 2 feet by 10 feet has an a so, the garden is 2 feet wide and 10 feet long. The perimeter of a rectangular dressing room nest 48 sqaure feet. How long and how wide is the son at a bular form. Measures Area(feet²) = length X width P 1 and 48 2 and 24 2 x 24 = 48 3 and 16 3 x 16 = 48 4 and 12 4 x 12 = 48 6 and 8 6 and 8 6 and 8 6 x 8 = 48 7 and 12 8 feet.	Deerimeter of 24 feet. Let's do this in a tabular form. Measures Area(feet²) = length X width Perint 1 and 20 1 X 20 = 20 1 2 and 10 2 X 10 = 20 1 4 and 5 4 X 5 = 20 1 7/ou see that, a rectangle that is 2 feet by 10 feet has an area 3 an area So, the garden is 2 feet wide and 10 feet long. 1 The perimeter of a rectangular dressing room mirres 48 sqaure feet. How long and how wide is the m .et's try to think of two pairs of factors of 48 that will give uperimeter of 28 feet. Let's do this in a tabular form. Measures Area(feet²) = length X width Perint 1 and 48 1 X 48 = 48 1 2 and 24 2 X 24 = 48 1 3 and 16 3 X 16 = 48 1 4 and 12 4 X 12 = 48 1 6 and 8 6 X 8 = 48 1	Derimeter of 24 feet. Let's do this in a tabular form. Measures Area(feet²) = length X width 1 and 20 2 and 10 4 and 5 4 and 5 4 and 5 4 and 5 4 x 5 = 20 (ou see that, a rectangle that is 2 feet by 10 feet has an area of 10 feet long. So, the garden is 2 feet wide and 10 feet long. The perimeter of a rectangular dressing room mirror is 48 sqaure feet. How long and how wide is the mirror is 48 sqaure feet. Let's do this in a tabular form. Measures Area(feet²) = length X width Perimeter of 28 feet. Let's do this in a tabular form. Measures Area(feet²) = length X width Perimeter of 1 and 48 1 x 48 = 48 2 and 24 2 x 24 = 48 3 and 16 3 x 16 = 48 4 and 12 4 x 12 = 48 6 and 8 6 and 8 6 x 8 = 48 2 out 24 2 x 24 = 48 3 and 16 3 x 16 = 48 4 and 12 4 x 12 = 48 6 and 8 6 x 8 = 48 2 and 24 2 x 24 = 48 3 and 16 3 x 16 = 48 4 and 12 4 x 12 = 48 6 and 8 6 x 8 = 48 2 and 28 2 x 24 = 48 3 and 16 3 x 16 = 48 4 and 12 4 x 12 = 48 6 and 8 6 x 8 = 48 2 and 28 2 and 29 3 and 16 3 x 16 = 48 4 and 12 4 x 12 = 48 5 and 16 6 x 8 = 48 6 and 8 6 x 8 = 48 2 and 20 2 and 20 3 and 16 4 and 12 4 a	Derimeter of 24 feet. Let's do this in a tabular form. Measures Area(feet²) = length X width Perimeter(fe 1 and 20 1 X 20 = 20 1 + 2 and 10 2 X 10 = 20 2 + 4 and 5 4 X 5 = 20 4 + ′ou see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet	Measures Area(feet ²) = length X width Perimeter(feet) 1 and 20 1 X 20 = 20 1 + 20 2 and 10 2 X 10 = 20 2 + 10 4 and 5 4 X 5 = 20 4 + 5 - 7ou see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet So, the garden is 2 feet wide and 10 feet long. The perimeter of a rectangular dressing room mirror is 28 feet stry to think of two pairs of factors of 48 that will give us a product perimeter of 28 feet. Let's do this in a tabular form. Measures Area(feet ²) = length X width Measures Area(feet ²) = length X width <t< td=""><td>Measures Area(feet²) = length X width Perimeter(feet) = si 1 and 20 1 × 20 = 20 1 + 20 + 1 2 and 10 2 × 10 = 20 2 + 10 + 2 4 and 5 4 × 5 = 20 4 + 5 + 4 You see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet² an so, the garden is 2 feet wide and 10 feet long. 5 The perimeter of a rectangular dressing room mirror is 28 feet stats sqaure feet. How long and how wide is the mirror? 5 et's try to think of two pairs of factors of 48 that will give us a product (ar perimeter of 28 feet. Let's do this in a tabular form. 6 Measures Area(feet²) = length X width Perimeter(feet) = s 1 and 48 1 × 48 = 48 1 + 48 + 1 2 and 24 2 × 24 = 48 2 + 24 + 2 3 and 16 3 × 16 = 48 3 + 16 + 3 4 and 12 4 × 12 = 48 4 + 12 + 4 6 and 8 6 × 8 = 48 6 + 8 + 6 You see that, the rectangle that is 6 feet by 8 feet has an area of 48 sqaure</td><td>Measures Area(feet²) = length X width Perimeter(feet) = sum 1 and 20 1 × 20 = 20 1 + 20 + 1 + 20 2 and 10 2 × 10 = 20 2 + 10 + 2 + 10 4 and 5 4 × 5 = 20 4 + 5 + 4 + 5 You see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet² and a so, the garden is 2 feet wide and 10 feet long. 7 The perimeter of a rectangular dressing room mirror is 28 feet. The start to think of two pairs of factors of 48 that will give us a product(area) berimeter of 28 feet. Let's do this in a tabular form. 7 Measures Area(feet²) = length X width Perimeter(feet) = sum 1 and 48 1 × 48 = 48 1 + 48 + 1 + 48 2 and 24 2 × 24 = 48 2 + 24 + 2 + 22 3 and 16 3 × 16 = 48 3 + 16 + 3 + 16 4 and 12 4 × 12 = 48 4 + 12 + 4 + 12</td><td>perimeter of 24 feet. Let's do this in a tabular form.MeasuresArea(feet²) = length X widthPerimeter(feet) = sum of a1 and 20$1 \times 20 = 20$$1 + 20 + 1 + 20 = 1$2 and 10$2 \times 10 = 20$$2 + 10 + 2 + 10 = 2$4 and 5$4 \times 5 = 20$$4 + 5 + 4 + 5 = 18$7ou see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet² and a perSo, the garden is 2 feet wide and 10 feet long.The perimeter of a rectangular dressing room mirror is 28 feet. The as 48 sqaure feet. How long and how wide is the mirror?.et's try to think of two pairs of factors of 48 that will give us a product(area) of aberimeter of 28 feet. Let's do this in a tabular form.MeasuresArea(feet²) = length X widthMeasuresArea(feet²) = length X width1 and 48$1 \times 48 = 48$1 and 48$1 \times 48 = 48$1 and 48$3 \times 16 = 48$3 and 16$3 \times 16 = 48$4 and 12$4 \times 12 = 48$4 and 12$4 \times 12 = 48$6 and 8$6 \times 8 = 48$6 and 8$6 \times 8 = 48$8 feet.</td><td>perimeter of 24 feet. Let's do this in a tabular form.MeasuresArea(feet2) = length X widthPerimeter(feet) = sum of all si1 and 20$1 \times 20 = 20$$1 + 20 + 1 + 20 = 42$2 and 10$2 \times 10 = 20$$2 + 10 + 2 + 10 = 24$4 and 5$4 \times 5 = 20$$4 + 5 + 4 + 5 = 18$(ou see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet2 and a perimeSo, the garden is 2 feet wide and 10 feet long.The perimeter of a rectangular dressing room mirror is 28 feet. The ares 48 sqaure feet. How long and how wide is the mirror?.et's try to think of two pairs of factors of 48 that will give us a product (area) of 48 there is a square feet. Let's do this in a tabular form.MeasuresArea(feet2) = length X widthMeasuresArea(feet2) = length X width1 and 48$1 \times 48 = 48$1 and 48$1 \times 48 = 48$2 and 24$2 \times 24 = 48$2 and 16$3 \times 16 = 48$3 and 16$3 \times 16 = 48$4 and 12$4 \times 12 = 48$4 and 12$4 \times 12 = 48$6 and 8$6 \times 8 = 48$6 and 8$6 \times 8 = 48$</td><td>verimeter of 24 feet. Let's do this in a tabular form.MeasuresArea(feet2) = length X widthPerimeter(feet) = sum of all side I1 and 20$1 \times 20 = 20$$1 + 20 + 1 + 20 = 42$2 and 10$2 \times 10 = 20$$2 + 10 + 2 + 10 = 24$4 and 5$4 \times 5 = 20$$4 + 5 + 4 + 5 = 18$You see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet2 and a perimeter.So, the garden is 2 feet wide and 10 feet long.The perimeter of a rectangular dressing room mirror is 28 feet. The area os 48 sqaure feet. How long and how wide is the mirror?Let's try to think of two pairs of factors of 48 that will give us a product (area) of 48 sqauperimeter of 28 feet. Let's do this in a tabular form.MeasuresArea(feet2) = length X widthMeasuresArea(feet2) = length X widthMeasuresArea(feet2) = length X widthMeasuresArea(feet2) = length X widthMeasuresArea(feet2) = length X width1 and 48$1 \times 48 = 48$1 and 48$1 \times 48 = 48$1 and 48$3 \times 16 = 48$2 and 24$2 \times 24 = 48$2 and 24$2 \times 24 = 48$3 and 16$3 \times 16 = 48$4 and 12$4 \times 12 = 48$6 and 8$6 \times 8 = 48$6 and 8$6 \times 8 = 28$(ou see that, the rectangle that is 6 feet by 8 feet has an area of 48 sqaure feet and a perimeter and a perimeter</td><td>verimeter of 24 feet. Let's do this in a tabular form.MeasuresArea(feet²) = length X widthPerimeter(feet) = sum of all side leng1 and 201 × 20 = 201 + 20 + 1 + 20 = 422 and 102 × 10 = 202 + 10 + 2 + 10 = 244 and 54 × 5 = 204 + 5 + 4 + 5 = 18You see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet² and a perimeter of 2So, the garden is 2 feet wide and 10 feet long.The perimeter of a rectangular dressing room mirror is 28 feet. The area of the state square feet. How long and how wide is the mirror?Let's try to think of two pairs of factors of 48 that will give us a product(area) of 48 square 1perimeter of 28 feet. Let's do this in a tabular form.MeasuresArea(feet²) = length X widthMeasuresArea(feet²) = length X widthPerimeter (feet) = sum of all side leng1 and 481 × 48 = 481 and 481 × 48 = 482 and 242 × 24 = 482 and 242 × 24 = 483 and 163 × 16 = 484 and 124 × 12 = 484 and 124 × 12 = 486 and 86 × 8 = 486 and 86 × 8 = 487 and 18 is 6 feet by 8 feet has an area of 48 square feet and a perimeter is 7</td><td>Measures Area(feet²) = length X width Perimeter(feet) = sum of all side lengths 1 and 20 1 × 20 = 20 1 + 20 + 1 + 20 = 42 2 and 10 2 × 10 = 20 2 + 10 + 2 + 10 = 24 4 and 5 4 × 5 = 20 4 + 5 + 4 + 5 = 18 You see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet² and a perimeter of 24 feet. So, the garden is 2 feet wide and 10 feet long. The perimeter of a rectangular dressing room mirror is 28 feet. The area of the miss square feet. How long and how wide is the mirror? Let's try to think of two pairs of factors of 48 that will give us a product(area) of 48 square feet perimeter of 28 feet. Let's do this in a tabular form. Measures Area(feet²) = length X width Perimeter(feet) = sum of all side lengths area of 20 feet? and a perimeter of 28 feet. Let's do this in a tabular form. Measures Area(feet²) = length X width Perimeter(feet) = sum of all side lengths area of 20 feet? and a perimeter of 28 feet. Let's do this in a tabular form. Measures Area(feet²) = length X width Perimeter(feet) = sum of all side lengths area of 20 feet? and 24 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 fo</td><td>wermeter of 24 feet. Let's do this in a tabular form. Measures Area(feet²) = length X width Perimeter(feet) = sum of all side lengths 1 and 20 1 × 20 = 20 1 + 20 + 1 + 20 = 42 2 and 10 2 × 10 = 20 2 + 10 + 2 + 10 = 24 4 and 5 4 × 5 = 20 4 + 5 + 4 + 5 = 18 You see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet² and a perimeter of 24 feet. So, the garden is 2 feet wide and 10 feet long. The perimeter of a rectangular dressing room mirror is 28 feet. The area of the mirrors s 48 sqaure feet. How long and how wide is the mirror? Let's try to think of two pairs of factors of 48 that will give us a product(area) of 48 sqaure feet and beerimeter of 28 feet. Let's do this in a tabular form. Measures Area(feet²) = length X width Perimeter(feet) = sum of all side lengths 1 and 48 1 × 48 = 48 1 + 48 + 1 + 48 = 90 2 and 24 2 × 24 = 48 2 + 24 + 2 + 24 = 52 3 and 16 3 × 16 = 48 3 + 16 + 3 + 16 = 38 4 and 12 4 × 12 = 48 4 + 12 + 4 + 12 = 32 6 and 8 6 × 8 = 48 6 + 8 + 6 + 8 = 28 (cou see that, the rectangle that is 6 feet by 8 feet has an area of 48 sqaure feet and a perimeter of 88 feet.</td></t<>	Measures Area(feet²) = length X width Perimeter(feet) = si 1 and 20 1 × 20 = 20 1 + 20 + 1 2 and 10 2 × 10 = 20 2 + 10 + 2 4 and 5 4 × 5 = 20 4 + 5 + 4 You see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet² an so, the garden is 2 feet wide and 10 feet long. 5 The perimeter of a rectangular dressing room mirror is 28 feet stats sqaure feet. How long and how wide is the mirror? 5 et's try to think of two pairs of factors of 48 that will give us a product (ar perimeter of 28 feet. Let's do this in a tabular form. 6 Measures Area(feet²) = length X width Perimeter(feet) = s 1 and 48 1 × 48 = 48 1 + 48 + 1 2 and 24 2 × 24 = 48 2 + 24 + 2 3 and 16 3 × 16 = 48 3 + 16 + 3 4 and 12 4 × 12 = 48 4 + 12 + 4 6 and 8 6 × 8 = 48 6 + 8 + 6 You see that, the rectangle that is 6 feet by 8 feet has an area of 48 sqaure	Measures Area(feet²) = length X width Perimeter(feet) = sum 1 and 20 1 × 20 = 20 1 + 20 + 1 + 20 2 and 10 2 × 10 = 20 2 + 10 + 2 + 10 4 and 5 4 × 5 = 20 4 + 5 + 4 + 5 You see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet² and a so, the garden is 2 feet wide and 10 feet long. 7 The perimeter of a rectangular dressing room mirror is 28 feet. The start to think of two pairs of factors of 48 that will give us a product(area) berimeter of 28 feet. Let's do this in a tabular form. 7 Measures Area(feet²) = length X width Perimeter(feet) = sum 1 and 48 1 × 48 = 48 1 + 48 + 1 + 48 2 and 24 2 × 24 = 48 2 + 24 + 2 + 22 3 and 16 3 × 16 = 48 3 + 16 + 3 + 16 4 and 12 4 × 12 = 48 4 + 12 + 4 + 12	perimeter of 24 feet. Let's do this in a tabular form.MeasuresArea(feet²) = length X widthPerimeter(feet) = sum of a1 and 20 $1 \times 20 = 20$ $1 + 20 + 1 + 20 = 1$ 2 and 10 $2 \times 10 = 20$ $2 + 10 + 2 + 10 = 2$ 4 and 5 $4 \times 5 = 20$ $4 + 5 + 4 + 5 = 18$ 7ou see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet² and a perSo, the garden is 2 feet wide and 10 feet long.The perimeter of a rectangular dressing room mirror is 28 feet. The as 48 sqaure feet. How long and how wide is the mirror?.et's try to think of two pairs of factors of 48 that will give us a product(area) of aberimeter of 28 feet. Let's do this in a tabular form.MeasuresArea(feet²) = length X widthMeasuresArea(feet²) = length X width1 and 48 $1 \times 48 = 48$ 1 and 48 $1 \times 48 = 48$ 1 and 48 $3 \times 16 = 48$ 3 and 16 $3 \times 16 = 48$ 4 and 12 $4 \times 12 = 48$ 4 and 12 $4 \times 12 = 48$ 6 and 8 $6 \times 8 = 48$ 6 and 8 $6 \times 8 = 48$ 8 feet.	perimeter of 24 feet. Let's do this in a tabular form.MeasuresArea(feet2) = length X widthPerimeter(feet) = sum of all si1 and 20 $1 \times 20 = 20$ $1 + 20 + 1 + 20 = 42$ 2 and 10 $2 \times 10 = 20$ $2 + 10 + 2 + 10 = 24$ 4 and 5 $4 \times 5 = 20$ $4 + 5 + 4 + 5 = 18$ (ou see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet2 and a perimeSo, the garden is 2 feet wide and 10 feet long.The perimeter of a rectangular dressing room mirror is 28 feet. The ares 48 sqaure feet. How long and how wide is the mirror?.et's try to think of two pairs of factors of 48 that will give us a product (area) of 48 there is a square feet. Let's do this in a tabular form.MeasuresArea(feet2) = length X widthMeasuresArea(feet2) = length X width1 and 48 $1 \times 48 = 48$ 1 and 48 $1 \times 48 = 48$ 2 and 24 $2 \times 24 = 48$ 2 and 16 $3 \times 16 = 48$ 3 and 16 $3 \times 16 = 48$ 4 and 12 $4 \times 12 = 48$ 4 and 12 $4 \times 12 = 48$ 6 and 8 $6 \times 8 = 48$ 6 and 8 $6 \times 8 = 48$	verimeter of 24 feet. Let's do this in a tabular form.MeasuresArea(feet2) = length X widthPerimeter(feet) = sum of all side I1 and 20 $1 \times 20 = 20$ $1 + 20 + 1 + 20 = 42$ 2 and 10 $2 \times 10 = 20$ $2 + 10 + 2 + 10 = 24$ 4 and 5 $4 \times 5 = 20$ $4 + 5 + 4 + 5 = 18$ You see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet2 and a perimeter.So, the garden is 2 feet wide and 10 feet long.The perimeter of a rectangular dressing room mirror is 28 feet. The area os 48 sqaure feet. How long and how wide is the mirror?Let's try to think of two pairs of factors of 48 that will give us a product (area) of 48 sqauperimeter of 28 feet. Let's do this in a tabular form.MeasuresArea(feet2) = length X widthMeasuresArea(feet2) = length X widthMeasuresArea(feet2) = length X widthMeasuresArea(feet2) = length X widthMeasuresArea(feet2) = length X width1 and 48 $1 \times 48 = 48$ 1 and 48 $1 \times 48 = 48$ 1 and 48 $3 \times 16 = 48$ 2 and 24 $2 \times 24 = 48$ 2 and 24 $2 \times 24 = 48$ 3 and 16 $3 \times 16 = 48$ 4 and 12 $4 \times 12 = 48$ 6 and 8 $6 \times 8 = 48$ 6 and 8 $6 \times 8 = 28$ (ou see that, the rectangle that is 6 feet by 8 feet has an area of 48 sqaure feet and a perimeter	verimeter of 24 feet. Let's do this in a tabular form.MeasuresArea(feet²) = length X widthPerimeter(feet) = sum of all side leng1 and 201 × 20 = 201 + 20 + 1 + 20 = 422 and 102 × 10 = 202 + 10 + 2 + 10 = 244 and 54 × 5 = 204 + 5 + 4 + 5 = 18You see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet² and a perimeter of 2So, the garden is 2 feet wide and 10 feet long.The perimeter of a rectangular dressing room mirror is 28 feet. The area of the state square feet. How long and how wide is the mirror?Let's try to think of two pairs of factors of 48 that will give us a product(area) of 48 square 1perimeter of 28 feet. Let's do this in a tabular form.MeasuresArea(feet²) = length X widthMeasuresArea(feet²) = length X widthPerimeter (feet) = sum of all side leng1 and 481 × 48 = 481 and 481 × 48 = 482 and 242 × 24 = 482 and 242 × 24 = 483 and 163 × 16 = 484 and 124 × 12 = 484 and 124 × 12 = 486 and 86 × 8 = 486 and 86 × 8 = 487 and 18 is 6 feet by 8 feet has an area of 48 square feet and a perimeter is 7	Measures Area(feet²) = length X width Perimeter(feet) = sum of all side lengths 1 and 20 1 × 20 = 20 1 + 20 + 1 + 20 = 42 2 and 10 2 × 10 = 20 2 + 10 + 2 + 10 = 24 4 and 5 4 × 5 = 20 4 + 5 + 4 + 5 = 18 You see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet² and a perimeter of 24 feet. So, the garden is 2 feet wide and 10 feet long. The perimeter of a rectangular dressing room mirror is 28 feet. The area of the miss square feet. How long and how wide is the mirror? Let's try to think of two pairs of factors of 48 that will give us a product(area) of 48 square feet perimeter of 28 feet. Let's do this in a tabular form. Measures Area(feet²) = length X width Perimeter(feet) = sum of all side lengths area of 20 feet? and a perimeter of 28 feet. Let's do this in a tabular form. Measures Area(feet²) = length X width Perimeter(feet) = sum of all side lengths area of 20 feet? and a perimeter of 28 feet. Let's do this in a tabular form. Measures Area(feet²) = length X width Perimeter(feet) = sum of all side lengths area of 20 feet? and 24 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 for a feet and 3 + 16 + 3 + 16 = 38 fo	wermeter of 24 feet. Let's do this in a tabular form. Measures Area(feet ²) = length X width Perimeter(feet) = sum of all side lengths 1 and 20 1 × 20 = 20 1 + 20 + 1 + 20 = 42 2 and 10 2 × 10 = 20 2 + 10 + 2 + 10 = 24 4 and 5 4 × 5 = 20 4 + 5 + 4 + 5 = 18 You see that, a rectangle that is 2 feet by 10 feet has an area of 20 feet ² and a perimeter of 24 feet. So, the garden is 2 feet wide and 10 feet long. The perimeter of a rectangular dressing room mirror is 28 feet. The area of the mirrors s 48 sqaure feet. How long and how wide is the mirror? Let's try to think of two pairs of factors of 48 that will give us a product(area) of 48 sqaure feet and beerimeter of 28 feet. Let's do this in a tabular form. Measures Area(feet ²) = length X width Perimeter(feet) = sum of all side lengths 1 and 48 1 × 48 = 48 1 + 48 + 1 + 48 = 90 2 and 24 2 × 24 = 48 2 + 24 + 2 + 24 = 52 3 and 16 3 × 16 = 48 3 + 16 + 3 + 16 = 38 4 and 12 4 × 12 = 48 4 + 12 + 4 + 12 = 32 6 and 8 6 × 8 = 48 6 + 8 + 6 + 8 = 28 (cou see that, the rectangle that is 6 feet by 8 feet has an area of 48 sqaure feet and a perimeter of 88 feet.