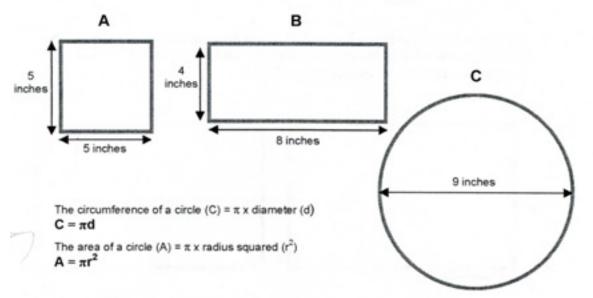
This problem gives you the chance to:

· find areas and perimeters of rectangular and circular shapes in a practical context

Robbie loves the stuffed crusts on pizzas.



Here are some stuffed crust pizza shapes that are baked.



1. How many inches of stuffed crust are put around the edge of each of these pizzas?

A 15.7 inches

B 25.17 inches

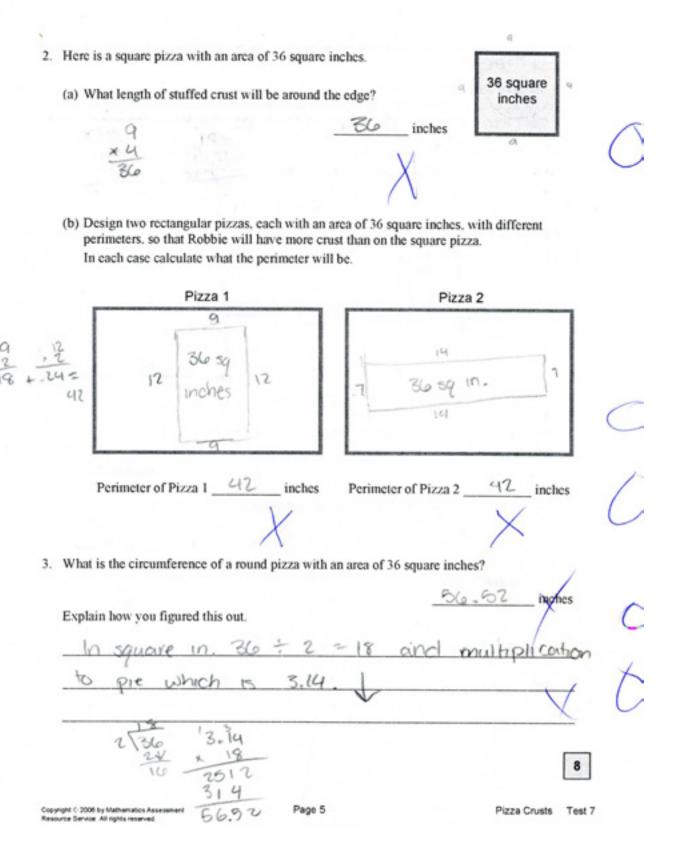
C 28.26 inches

Show your calculations.

3.14 X

13.14 × 8 7512

3.14 × 15,26



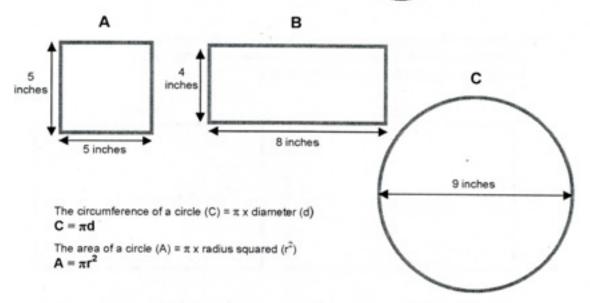
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Robbie loves the stuffed crusts on pizzas.

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1. How many inches of stuffed crust are put around the edge of each of these pizzas?

2. Here is a square pizza with an area of 36 square (a) What length of stuffed crust will be around to 9 4 136 36 36 36 36 36 36 37 4 36 36 37 4 36 37 4 37 4	36 square	0
(b) Design two rectangular pizzas, each with an perimeters, so that Robbie will have more cr In each case calculate what the perimeter will	rust than on the square pizza.	
Pizza 1	Pizza 2	_
9 indies G = 36 inches Perimeter of Pizza 1 26 inches	Perimeter of Pizza 2 30 inches	3:nohes
What is the circumference of a round pizza with	an area of 26 square inches?	/
Explain how you figured this out. I multiplied 3.17 by 36 and go 114.12 by 2 and got 57.0	_57.06_inch	es 0
		8



9-508 page

Pizza Crusts

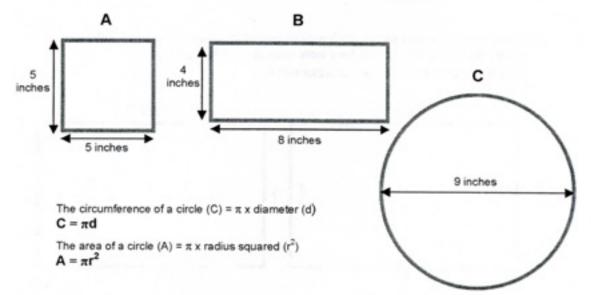
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Robbie loves the stuffed crusts on pizzas.

Here are some stuffed crust pizza shapes that are baked.





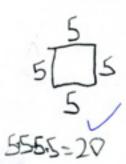
1. How many inches of stuffed crust are put around the edge of each of these pizzas?

A O inches

B 24 inches

c_16__inches

Show your calculations.



4488



444=18

Pizza Crusts Test 7

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Page 4

2. Here is a square pizza with an area of 36 square	e inches.	-555 302.5	
(a) What length of stuffed crust will be around	the edge?	36 square inches	0
	X		
(b) Design two rectangular pizzas, each with an perimeters, so that Robbie will have more of In each case calculate what the perimeter with	rust than on the square pizz	with different ta.	
Pizza 1	Pizza	2	
9	7	7	
Perimeter of Pizza 1 36 inches	11	20	0
	Perimeter of Pizza 2	×	4
 What is the circumference of a round pizza with Explain how you figured this out. 	_3	6 Xinches	To
height of the circle 13 add them toget	e 13 and t	the X	0
15 apra griem trace-	the and go	N 36 00	210

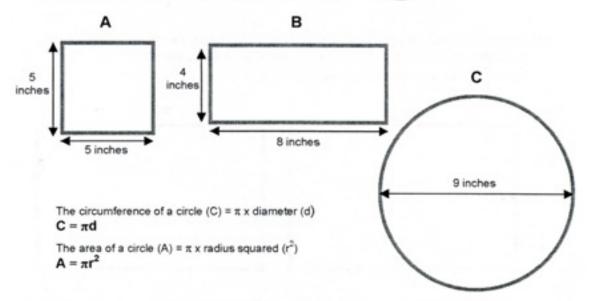
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· find areas and perimeters of rectangular and circular shapes in a practical context

Robbie loves the stuffed crusts on pizzas.

Here are some stuffed crust pizza shapes that are baked.





1. How many inches of stuffed crust are put around the edge of each of these pizzas?

A 20 in inches

inches

inches

Show your calculations.

(a) What length of stuffed crust will be around the edge?	2. Here is a s	quare pizza with an area of 36 square in	ches.	0000	
(b) Design two rectangular pizzas, each with an area of 36 square inches, with different perimeters, so that Robbie will have more crust than on the square pizza. In each case calculate what the perimeter will be. Pizza 1 Pizza 2 36 Sownere 36 Perimeter of Pizza 1 Perimeter of Pizza 2 30 inches Explain how you figured this out.	(a) What l	ength of stuffed crust will be around the	edge?	36 square inches	
(b) Design two rectangular pizzas, each with an area of 36 square inches, with different perimeters, so that Robbie will have more crust than on the square pizza. In each case calculate what the perimeter will be. Pizza 1 Pizza 2 36 Sowner 10 Perimeter of Pizza 1 Perimeter of Pizza 2 30 inches 3. What is the circumference of a round pizza with an area of 36 square inches? Explain how you figured this out.			9_inches		
perimeters, so that Robbie will have more crust than on the square pizza. In each case calculate what the perimeter will be. Pizza 1 Pizza 2 36 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6			\times	4/36	O
3 3 6 Square 2 3 6 Square 10 10 10 10 10 10 10 10 10 10 10 10 10 1	perime	ters, so that Robbie will have more crus	t than on the square pizz	vith different a.	
Perimeter of Pizza 1 40 inches Perimeter of Pizza 2 30 inches 3. What is the circumference of a round pizza with an area of 36 square inches? Explain how you figured this out.	136	Pizza 1	Pizza	2	1/2
Perimeter of Pizza 1 40 inches Perimeter of Pizza 2 30 inches 3. What is the circumference of a round pizza with an area of 36 square inches? Explain how you figured this out.	26		0.1		3(36
Perimeter of Pizza 1	3	36 samme	36 5	cylare	00
Perimeter of Pizza 1		in.	in.	1	(
Perimeter of Pizza 1					
3. What is the circumference of a round pizza with an area of 36 square inches? Explain how you figured this out. GKG > 3G inches 3.1466	8	. /		20	1
Explain how you figured this out.	Peni	meter of Pizza 1 inchés	Perimeter of Pizza 2 _	50 inches	/
Explain how you figured this out.	3. What is the	e circumference of a round pizza with ar	n area of 36 square inche	s?	exe=36
3.1416	Explain ho	ow you figured this out.	_	inches	(== 0
3.146					-60
				/	3.146
			/		
8			/	8	1

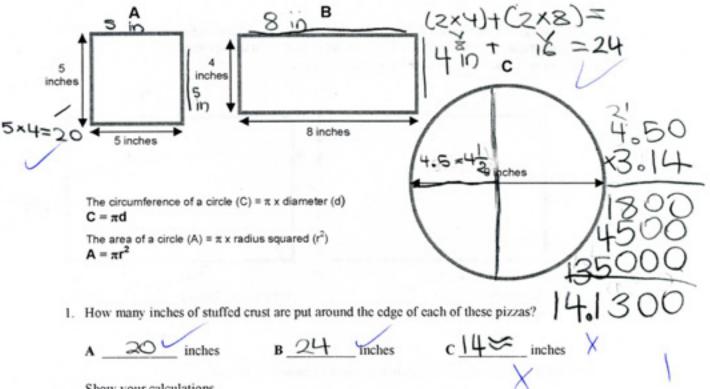
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Robbie loves the stuffed crusts on pizzas.

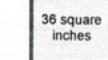
Here are some stuffed crust pizza shapes that are baked.





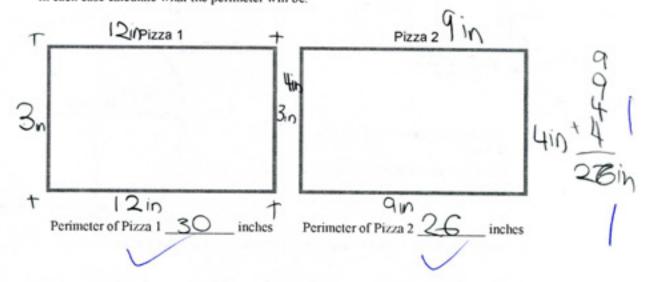
12/2 mm/30

- Here is a square pizza with an area of 36 square inches: 36
 - (a) What length of stuffed crust will be around the edge?



inches

(b) Design two rectangular pizzas, each with an area of 36 square inches, with different perimeters, so that Robbie will have more crust than on the square pizza. In each case calculate what the perimeter will be.

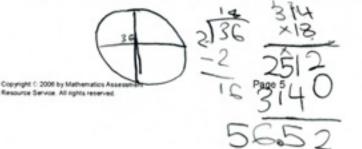


3. What is the circumference of a round pizza with an area of 36 square inches?

57 ≤ inches

Explain how you figured this out.

Divide 36 by 2 ant then multiply.
After round to the nearest tenth.



Pizza Crusts Test 7

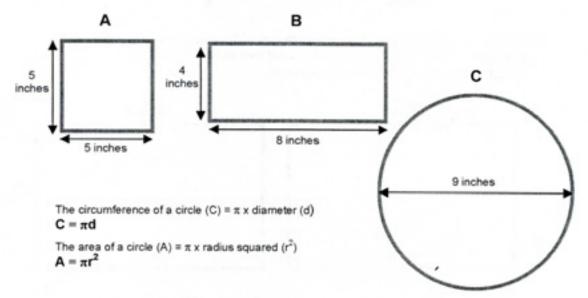
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Robbie loves the stuffed crusts on pizzas.



Here are some stuffed crust pizza shapes that are baked.



1. How many inches of stuffed crust are put around the edge of each of these pizzas?

A 20 inches

B 24 inches

c 9 x inches

- 1

Show your calculations.

3

555

ED +4 b 2 +8

(

9 inches X



2. Here is a	square pizza with an area of	36 square inches.	40.00	
(a) What	length of stuffed crust will b	se around the edge?	36 square	
(5) (m)		e around the edge:	inches	
4	(a) 4)36	26 inches		
19	67		(0)	
18	7			
100				
3		/		
(b) Design	n two rectangular pizzas, eac	ch with an area of 36 square inch	es with different	
		ve more crust than on the square		
	h case calculate what the per		,	
	· · · · · · · · · · · · · · · · · · ·			
	Pizza 1	P	izza 2	6:3
				(Piz.2)
				1
		11		1
		11		
4 in		11		Hin.
- 1		11		
		11	V	
		11	X.	1
-	a:n	4	in-	_
D			-	
Pen	imeter of Pizza 1 26	inches Perimeter of Pizza	12 _ 26_ inche	:s
	\ /		\times	
	e circumference of a round	pizza with an area of 36 square is	nches?	
What is th			\/	
What is th			a Y.	
		_	9 Vinch	es C
Explain be	ow you figured this out.	_	9 Inch	es
Explain be	ow you figured this out.	- 4 - pd - pt 9	9 Inch	es
Explain be	ow you figured this out.	by 4 and got 9.	9 Inch	es C
Explain be	ow you figured this out.	by 4 and got 9.	9 Inch	es C
Explain be	ow you figured this out.	by 4 and got 9.	9 Inch	es C

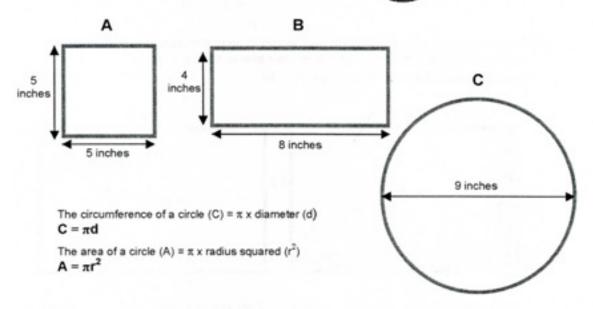
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Robbie loves the stuffed crusts on pizzas.

Here are some stuffed crust pizza shapes that are baked.





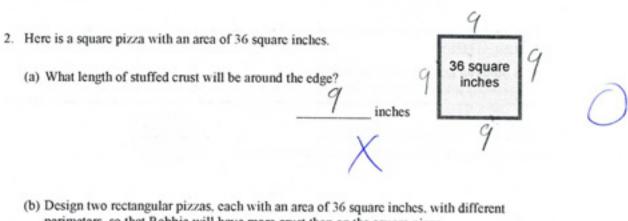
1. How many inches of stuffed crust are put around the edge of each of these pizzas?

A _ inches

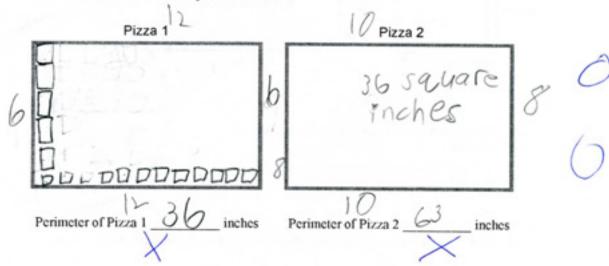
B 24 inches

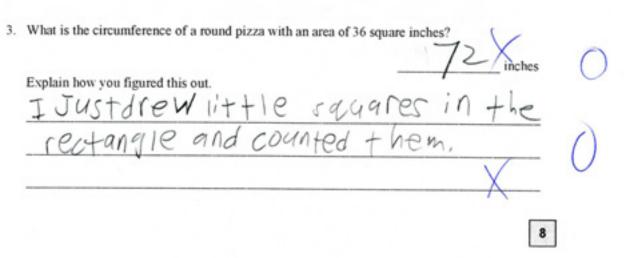
C_____ inches

Show your calculations.



(b) Design two rectangular pizzas, each with an area of 36 square inches, with differen perimeters, so that Robbie will have more crust than on the square pizza. In each case calculate what the perimeter will be.





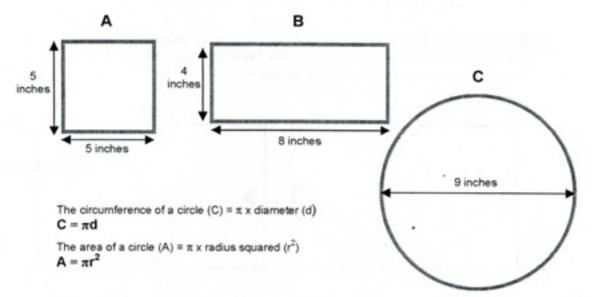
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1. How many inches of stuffed crust are put around the edge of each of these pizzas?

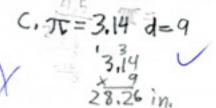
A 25 inches

B 32 Vinches

c 28,26 inches

Show your calculations.

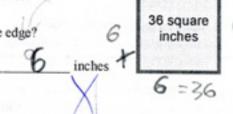
B. 8 x4= 32 in.





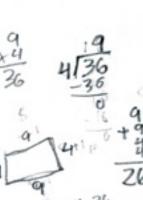
- 2. Here is a square pizza with an area of 36 square inches.
 - (a) What length of stuffed crust will be around the edge?

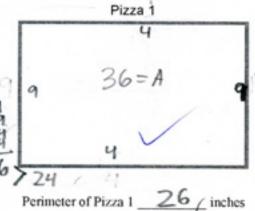


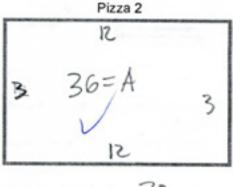


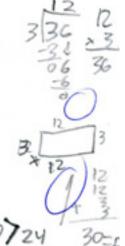


(b) Design two rectangular pizzas, each with an area of 36 square inches, with different perimeters, so that Robbie will have more crust than on the square pizza. In each case calculate what the perimeter will be.









Perimeter of Pizza 1 26 inches

Perimeter of Pizza 2

inches 30

3. What is the circumference of a round pizza with an area of 36 square inches?

Explain how you figured this out.







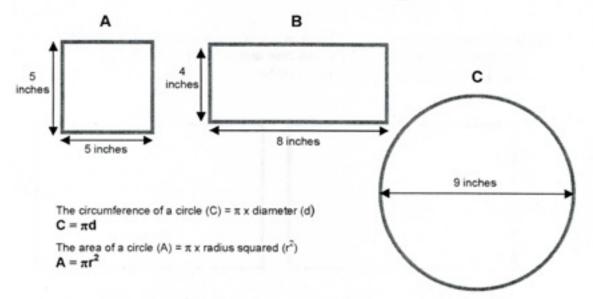
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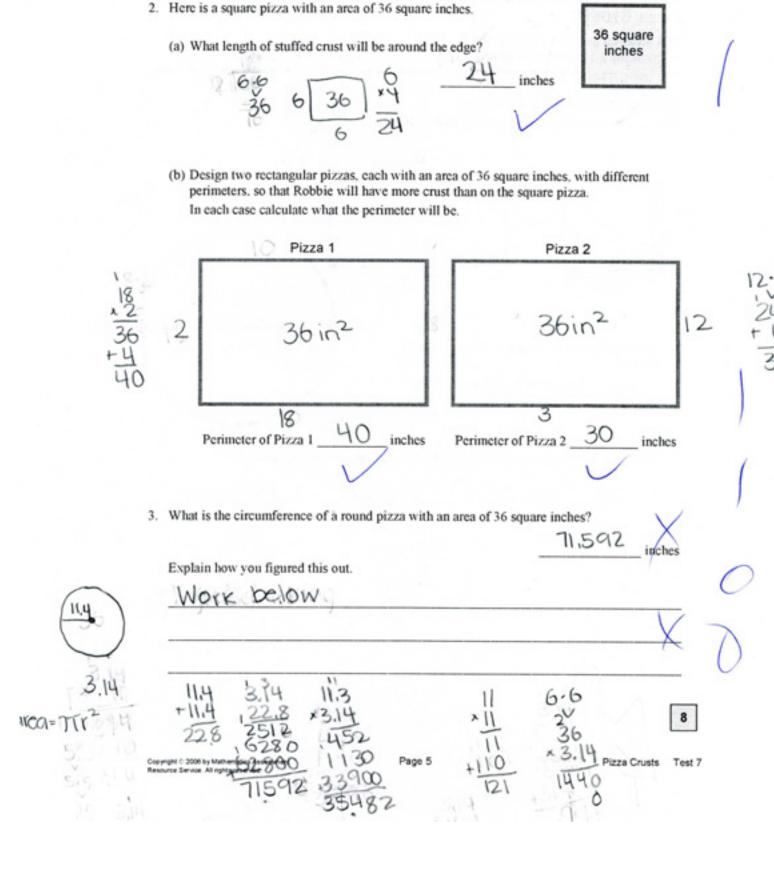
1. How many inches of stuffed crust are put around the edge of each of these pizzas?

A 25 inches

B 24 inches

c 28.26 inches

Show your calculations.



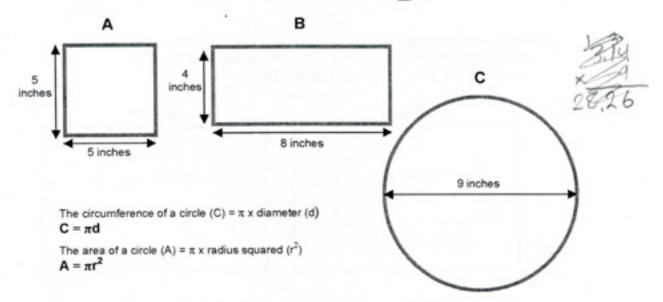
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Here are some stuffed crust pizza shapes that are baked.





1. How many inches of stuffed crust are put around the edge of each of these pizzas?

A 20 inches

B 24 inches

c 28,26 inches

Show your calculations.

3.14 × 9 28.26 51×10=32

8-2)+(4-2)

(5,2)+(5,82)

	(a) What length of stuffed crust will be around the	he edge? inches
	6536 (6x2)+	$\frac{24}{(6\times2)}$ inches
	in	+ 10 = 24
	(b) Design two rectangular pizzas, each with an a perimeters, so that Robbie will have more cru	
	In each case calculate what the perimeter will	
	Pizza 1	Pizza 2
	12 inches	9x4=36 inches
	Perimeter of Pizza 1 30 inches	Perimeter of Pizza 2 26 inches
07.42	3. What is the circumference of a round pizza with 11.46×2	an area of 36 square inches? $8 = 26$ inches $= 72.92$
214	Explain how you figured this out.	inches 0011
9168	I divided 36	by pi then Twuttoled 314
19684	the product by p	then I rounded 190 the product. X 012
	Copyright © 2006 by Mathematics Assessment Page 5 Resource Service. All rights reserved.	Pizza Crusts Test 7

2. Here is a square pizza with an area of 36 square inches.

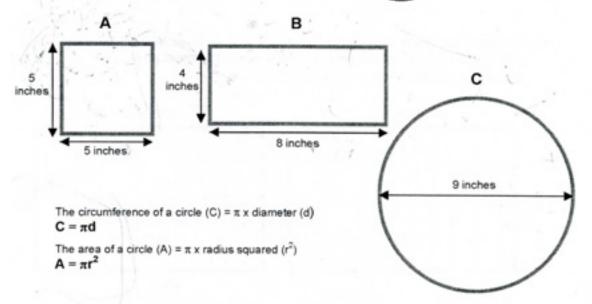
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1. How many inches of stuffed crust are put around the edge of each of these pizzas?

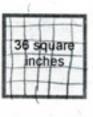
A 70 inches	B 2 inches	CA29 inches
Show your calculations. 5-largth 5-width 5 20 45	8 - rengt 2 4-width +4 26	3314-PITT = 9e rodius 28.26229

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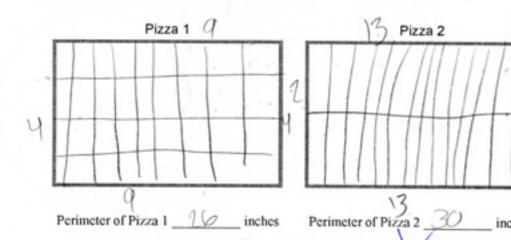
Pizza Crusts Test 7

- Here is a square pizza with an area of 36 square inches.
 - (a) What length of stuffed crust will be around the edge?

inches



(b) Design two rectangular pizzas, each with an area of 36 square inches, with different perimeters, so that Robbie will have more crust than on the square pizza. In each case calculate what the perimeter will be.



3. What is the circumference of a round pizza with an area of 36 square inches?

Explain how you figured this outon

inches

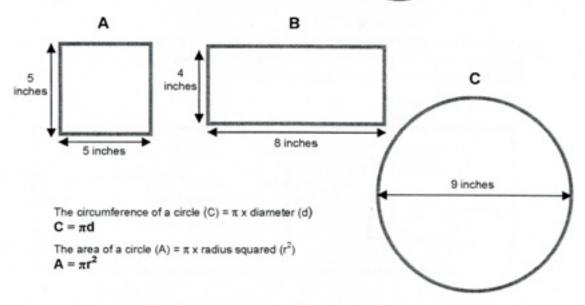
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1. How many inches of stuffed crust are put around the edge of each of these pizzas?

A 20 inches

BZ4 inches

c 28.2 Gales

Show your calculations.

A 5)10 5+10

B 000 818 818 V

3.14 × 9 28.26

2.	Here is a square pizza with an area of 36	square inches.	
	(a) What length of stuffed crust will be	around the edge?	36 square
	(a) what length of statica crast will be	a	inches
	a	inches	
	4/36	· /	
٠,	-36	\wedge	
	(b) Design two rectangular pizzas, each	with an area of 36 square inches,	with different
	perimeters, so that Robbie will have In each case calculate what the perir		za.
	Pizza 1	Pizza	12
	Sin	18	1361
		18	
	6in. 1	~in-	
	Perimeter of Pizza 1 24	inches Perimeter of Pizza 2	inches
		Termiter of Fizza E	William Control
			(T)
A=36 3.	What is the circumference of a round pi	zza with an area of 36 square inche	es?
11-36		.54	5.52 inches
	Explain how you figured this out.		The state of the s
	First I divided	36 by 2 to	Find out
\	the diameter w	hich is 78. Th	
(18:n)	_ / 1/ .		CC CO
	3.14 with 18.	Lastly I got	50,52.
_	214		
\$	2.14		8
5G.	1000 by Mathematics Assessment source Service All rights reserved	Page 5	Pizza Crusts Test 7
Nan	source per voe. Air rights reserved.		

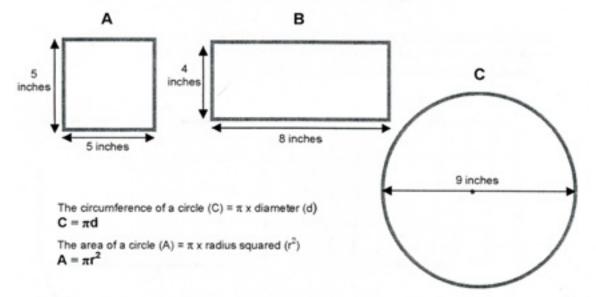
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1. How many inches of stuffed crust are put around the edge of each of these pizzas?

A 20 inches B 24 Unches C 63 inches?

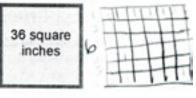
Show your calculations.

A1) $\frac{5}{24}$ B1) $\frac{4}{16}$ $\frac{8}{16}$ $\frac{16}{24}$ C.)

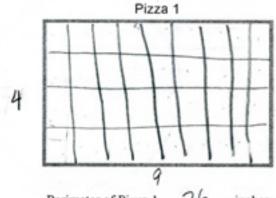


- 2. Here is a square pizza with an area of 36 square inches.
 - (a) What length of stuffed crust will be around the edge?

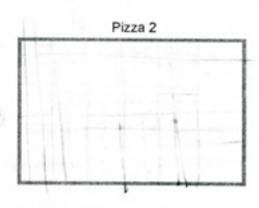
lge? 36 square inches



(b) Design two rectangular pizzas, each with an area of 36 square inches, with different perimeters, so that Robbie will have more crust than on the square pizza. In each case calculate what the perimeter will be.



Perimeter of Pizza 1 _______ inches



Perimeter of Pizza 2 _____ inches