STUDENT A

For your birthday, you want to take a group of friends to an indoor trampoline center. There are two trampoline parks available on your date.

Pricing Information:

Sky High: \$50 for up to 10 people and \$5 per person after that.

Jump it Up: \$70 for a party set up fee and \$2 per person.

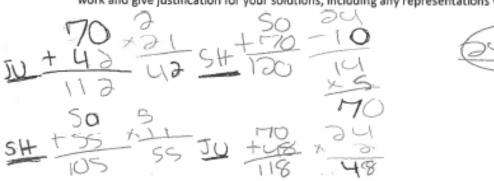
 Which trampoline center would you choose for the following number of friends. Show all work and give justification for your solutions, including any representations you used.

a. 15 friends Sky high (75) Jump HUP 100

b. 20 friends Sky high (70) Jumpit UP 110

c. 25 friends Sky high 125 Jumpit UP 120

What is the minimum number of friends for which Jump it Up is the less expensive choice. Show all work and give justification for your solutions, including any representations you used.



 Based on your answer in part 2, use the pricing information given to model algebraically the situation where Jump it Up is less expensive than Sky High.

70+2x 450+5x-10

STUDENT B

For your birthday, you want to take a group of friends to an indoor trampoline center. There are two trampoline parks available on your date.

Pricing Information:

Sky High: \$50 for up to 10 people and \$5 per person after that. 50 + 5(P)Jump it Up: \$70 for a party set up fee and \$2 per person. 70 + 2(P)

- Which trampoline center would you choose for the following number of friends. Show all work and give justification for your solutions, including any representations you used.
 - a. 15 friends 50 + 5(5) = 7570 + 2(15) = 100
 - b. 20 friends 30+5(16) = 100 70+2(20) = 110
 - c. 25 friends 5 = + 56 15) 125 Fotal25)=120
- What is the minimum number of friends for which Jump it Up is the less expensive choice. Show all work and give justification for your solutions, including any representations you used.

50+5(4)=120 70+2(24)=118

Based on your answer in part 2, use the pricing information given to model algebraically the situation where Jump it Up is less expensive than Sky High.

STUDENT C

For your birthday, you want to take a group of friends to an indoor trampoline center. There are two trampoline parks available on your date.

Pricing Information:

Sky High: \$50 for up to 10 people and \$5 per person after that.

Jump it Up: \$70 for a party set up fee and \$2 per person.

1. Which trampoline center would you choose for the following number of friends. Show all work and give justification for your solutions, including any representations you used.

a. 15 friends

50 +25 = 75 70 + 30 = 100 (3 mp 11 vs)

b. 20 friends

50+50=100 | 70+40=110 (3xy High) | (5007+47)

c. 25 friends 50 + 75 = 125

70 - 50 = 120 (50mp . 18)

2. What is the minimum number of friends for which Jump it Up is the less expensive choice. Show all work and give justification for your solutions, including any representations you used.

22 Friends, because sky high becomes more expensive and sums it up becomes less expensive.

Based on your answer in part 2, use the pricing information given to model algebraically the situation where Jump it Up is less expensive than Sky High.

HO a \$5 Clifferonce

STUDENT D

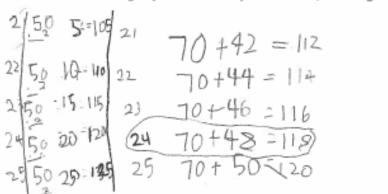
For your birthday, you want to take a group of friends to an indoor trampoline center. There are two trampoline parks available on your date.

Pricing Information:

Sky High: \$50 for up to 10 people and \$5 per person after that. 50+5(10-p)Jump it Up: \$70 for a party set up fee and \$2 per person. 70+2p

- Which trampoline center would you choose for the following number of friends. Show all work and
 give justification for your solutions, including any representations you used.
 - a. 15 friends J 70+30= 100
 - b. 20 friends 50+50= 100 570+40=400 100
 - c. 25 friends 5.0 + 5.0 + 2.5 = 12.55.0 + 5.0 = 12.0
- J 70+ 50 = 120

 2. What is the minimum number of friends for which Jump it Up is the less expensive choice. Show all work and give justification for your solutions, including any representations you used.



24 Friends

Based on your answer in part 2, use the pricing information given to model algebraically the situation where Jump it Up is less expensive than Sky High.

STUDENT E

For your birthday, you want to take a group of friends to an indoor trampoline center. There are two trampoline parks available on your date.

Pricing Information:

Sky High: \$50 for up to 10 people and \$5 per person after that.

Jump it Up: \$70 for a party set up fee and \$2 per person.

 Which trampoline center would you choose for the following number of friends. Show all work and give justification for your solutions, including any representations you used.

a. 15 friends

Sicy high - +50 + 25 = 75

Jump it up - \$ 70+15. 3 = 100

b. 20 friends

Dicy high - \$50+50=100

Jump it up = \$70+30.2=110

c. 25 friends

Sicy high - \$50+75=125

**Jump it up = \$170+35.7=120

What is the minimum number of friends for which Jump it Up is the less expensive choice. Show all work and give justification for your solutions, including any representations you used.

3. Based on your answer in part 2, use the pricing information given to model algebraically the situation where Jump it Up is less expensive than Sky High.

Jump 70 + 2x

Sky high

50+5(J-10)

STUDENT F

	Trampoline Party	11
	ur birthday, you want to take a group of friends to an indoor trampoline center. There are pline parks available on your date.	two 2
Pricing	Information:	
15	Sky High: \$50 for up to 10 people and \$5 per person after that.	
	Jump it Up: \$70 for a party set up fee and \$2 per person.	
	Which trampoline center would you choose for the following number of friends. Show all give justification for your solutions, including any representations you used. 40%	
	a. 15 friends \ 0+ 2+ 2+2+2+2+2+2+2+2+2+2+2+2+2-7	
	Sky ough 50+5+5+5+5+5=50+25=175) (5	mgh) +75
	b. 20 friends JIU 70+2.20 = 10+40=110	0, 125
	c. 25 friends 2IU 70+ 2.25 = 20+70=[120] (Jump + up)	G 191
	SHIPM 50+ 20-12 = 12420 = [120] (Jamp 14 DV)	
2.	What is the minimum number of friends for which Jump it Up is the less expensive choice	s. Show all
,	work and give justification for your solutions, including any representations you used.	
(217-	Jump 11 06 1 20+ 5.11 = 25450 = [105] * When It Come	# Th. No.
		18 6
(LL	June 11 16 10+ 5-15=00720=[11] DECOME 1622	Sound Str.
(13	Jambinob / JOH 5053=17070=[112]	(2) N
3. Based on your answer in part 2, use the pricing information given to model algebraically the situation		
where Jump it Up is less expensive than Sky High.		
Bosed Of OS these two transporas Proces, Junip 14 UP WOULD		
Decome the better place to tome your friend as long on you have		
W	one than 24, loss than that, the better flace.	Nous po
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