

1

00:00:00,000 --> 00:00:05,120

Do not try what we do on this show at home. We're what you call experts stay safe

2

00:00:07,320 --> 00:00:14,560

On this episode of myth busters bringing the next baby the team selects six of your ideas

3

00:00:15,160 --> 00:00:22,760

Strong like bull. Yep on this request fest special every letter or email that gets pulled from the randomizer

4

00:00:23,280 --> 00:00:28,800

Randomizing will get tested and the myth to emerge will involve fuel bills thrills

5

00:00:30,800 --> 00:00:37,000

Results are extremely surprising. There'll be freezing worth the myth busters lab and season. I look like a vampire

6

00:00:39,000 --> 00:00:41,000

Tuxedos and

7

00:00:42,080 --> 00:00:49,340

So cover your mouth buckle up and find out if lady luck has picked you all right party time

8

00:00:53,400 --> 00:01:02,800

Who savage put something into it man and Jamie Heinemann that hot knock for you between them more than 30 years of special effects experience

9

00:01:03,800 --> 00:01:05,080

Joining them

10

00:01:05,080 --> 00:01:07,080

Grant imahara

11

00:01:08,240 --> 00:01:10,240

Carrie Byron

12

00:01:10,720 --> 00:01:15,840

And Tori Bellachie let's talk to this day. Oh, they don't just tell them it's

13

00:01:16,760 --> 00:01:18,760

They put them to the test

14

00:01:23,760 --> 00:01:34,640

If you ever send in a myth request get ready because in this hour of viewer power the tests are at your behest

15

00:01:36,800 --> 00:01:40,600

What's all this about this is the myth busters request fest

16

00:01:40,600 --> 00:01:44,280

We have taken a random pile of fan submissions for stories

17

00:01:44,280 --> 00:01:49,760

We should do we put them in this bin and soon we will do whatever we throw out of here. You ready?
Yep. All right

18

00:01:50,760 --> 00:01:52,760

Pick one

19

00:01:56,680 --> 00:02:03,240

What does it say dear myth busters can a super secret agent spy arrive at a fancy party via scuba

20

00:02:03,240 --> 00:02:06,640

Unzip his dive suit and emerge party ready and a spiffy tux

21

00:02:08,280 --> 00:02:13,520

Spiffy I've seen this several times and I want to know if it's possible your biggest fan

22

00:02:14,240 --> 00:02:16,080

I can't read the signature

23

00:02:16,160 --> 00:02:22,320

That is a great story. I think we should totally do it. Do I get aware of the tux? Absolutely.
Okay, then

24

00:02:23,040 --> 00:02:29,240

It's a classic cinematic costume conundrum the super secret spy slips out of the water

25

00:02:29,240 --> 00:02:33,320

And unzips his dive suit revealing an immaculate tuxedo

26

00:02:33,480 --> 00:02:39,140

But can a scuba dive arrival really leave you high dry and ready to party

27

00:02:39,680 --> 00:02:45,400

So what do you think the plan is it's easy one of us scuba dives to a party and the other one arrives by normal means

28

00:02:45,400 --> 00:02:50,680

And then when we get there an impartial judge sees if both of our tuxes past muster exactly

29

00:02:50,960 --> 00:02:57,240

Okay, but first I think we need a lesson in proper tux etiquette from a pro as it happens. I have one right here

30

00:02:57,800 --> 00:02:59,800

Hello Bertrand. Hello, Jamie

31

00:02:59,960 --> 00:03:04,280

Narrator would you please tell the nice folks at home about Bertrand's credentials?

32

00:03:05,360 --> 00:03:14,400

image consultant fashion author and all-round style guru Bertrand is the perfect person to get Adam and Jamie looking ship-shaped for their upcoming

33

00:03:14,400 --> 00:03:16,720

boat party and Adam here's yours

34

00:03:17,400 --> 00:03:22,600

Now when it comes to black tie, it's really important that a tuxedo be absolutely perfect

35

00:03:22,840 --> 00:03:25,000

Otherwise, you'll be mistaken for the head waiter

36

00:03:25,680 --> 00:03:29,640

Also overlooked are the shoes and really the standard is patent leather

37

00:03:30,320 --> 00:03:33,320

Apparently patent leather is critical

38

00:03:33,640 --> 00:03:42,320

It's got to be a hand tied bow tie a clip on tie just doesn't cut it the hand tied bow tie gives a man his individual

39

00:03:43,280 --> 00:03:49,240

Finally the white handkerchief need to have the pocket square. That's a pocket square. It's not a napkin

40

00:03:49,240 --> 00:03:52,440

It is not a dinner napkin. So Jamie. How do you feel? I?

41

00:03:53,760 --> 00:04:00,280

Feel kind of tied up like a pot roast actually despite Jamie's discomfort our dapper duo are now

42

00:04:00,680 --> 00:04:05,800

Impeccably dressed. There we go. I think we're a proper pair of penguins. Yeah

43

00:04:06,400 --> 00:04:13,920

And for the myth to be confirmed that's the standard that has to be maintained regardless of their method of transport to the party

44

00:04:15,480 --> 00:04:20,960

This penguin providing a comparative baseline will be traveling in comfort above water

45

00:04:22,840 --> 00:04:24,480

Perfect

46

00:04:24,480 --> 00:04:31,520

But agent Heinemann codenamed the walrus wearing state-of-the-art scuba gear over the top of his party gear

47

00:04:31,560 --> 00:04:35,580

We'll be going saabakwa. All right. It's party time

48

00:04:36,480 --> 00:04:38,480

Oh

49

00:04:38,840 --> 00:04:44,080

All right request best randomizer you guys ready go for it. All right. We go

50

00:04:45,200 --> 00:04:47,200

This is hilarious

51

00:04:52,840 --> 00:04:54,840

Okay, this letter says

52

00:04:55,480 --> 00:04:58,680

Hey guys, I heard that if your car tires are slightly

53

00:04:59,000 --> 00:05:05,560

Deflated only by a few psi your fuel efficiency could tail off massively. I drive a lot so I'd really like to know if that's true

54

00:05:05,680 --> 00:05:08,640

Yeah, we get this one a lot, but you know that's only half the story

55

00:05:08,720 --> 00:05:12,680

Yes, there are some people that say if you have lower pressure you get lower mileage

56

00:05:12,680 --> 00:05:18,600

But there are other people who say if you over inflate you get better mileage a fuel efficiency method. Love it

57

00:05:19,000 --> 00:05:22,320

Everybody loves to save money. All right. Why don't we do this? We'll take a car

58

00:05:22,320 --> 00:05:25,280

We bypass the fuel tank will install our own fuel

59

00:05:25,520 --> 00:05:30,560

One that we can remove and weigh so that way we know exactly how much fuel we're using during these tests

60

00:05:31,080 --> 00:05:33,200

Sounds great. And then we do three tests

61

00:05:33,320 --> 00:05:39,720

Obviously we start with the control at the right pressure and then we move on to under pressured and over pressured and this being myth busters

62

00:05:39,720 --> 00:05:43,920

We're gonna have to try super low pressure and super high pressure. Oh, yeah

63

00:05:45,720 --> 00:05:50,920

So to test the randomly selected viewer request the team D mob to a remote location

64

00:05:50,920 --> 00:05:58,680

We've come to this abandoned naval base so we can test our tire pressure fuel efficiency mix

65

00:05:58,680 --> 00:06:01,600

We're going to lay out a track drive it five different times

66

00:06:01,800 --> 00:06:08,280

Exactly the same with five different tire pressures and see if tire pressure really does have an effect on your fuel efficiency

67

00:06:08,280 --> 00:06:12,240

Now when we get down to actually driving the car, we can't just go crazy out there

68

00:06:12,280 --> 00:06:14,720

You have to have a very specific route

69

00:06:14,720 --> 00:06:19,640

We have to drive the same route every time at the same speed in the exact same way

70

00:06:19,640 --> 00:06:25,480

And what's more the weight of the car cannot change between tests? That's the only way we'll be able to compare results

71

00:06:26,080 --> 00:06:32,600

Okay, this is fuel efficiency tire pressure. We start out with our control test 35 psi, which is the manufacturers recommended pressure

72

00:06:32,600 --> 00:06:34,600

All right, let's get to driving. Okay

73

00:06:35,480 --> 00:06:42,120

In charge of making sure Kerry adheres to the meticulously planned course is backseat driver in a horror

74

00:06:43,120 --> 00:06:45,120

All right stop sign coming up

75

00:06:45,120 --> 00:06:50,800

You're going to stop and hold for 10 seconds each of the requisite stops and periods of acceleration

76

00:06:51,080 --> 00:06:55,120

Are carefully timed to ensure consistency between the runs?

77

00:06:56,240 --> 00:07:02,720

And with the control complete the guys whip out the fuel cell weigh it and crunch the crucial numbers

78

00:07:03,480 --> 00:07:05,480

All right, so that is

79

00:07:06,160 --> 00:07:07,720

8,916 grams

80

00:07:07,720 --> 00:07:16,120

Okay, well let's take it down to 10 psi and do the test again the next two tests will be at the extreme ends of the tire pressure spectrum

81

00:07:17,000 --> 00:07:22,960

Okay, here we go under inflated at 10 psi the handling is adversely affected

82

00:07:26,520 --> 00:07:34,240

But the team complete the identical circuit safety and move on to the extreme over inflated test 60 psi

83

00:07:34,880 --> 00:07:36,480

hit it

84

00:07:37,080 --> 00:07:45,200

Overinflation to this degree is obviously not recommended in addition to risking a dangerous blowout the tires will wear unevenly

85

00:07:45,360 --> 00:07:50,360

But according to some fans, it's supposedly more fuel efficient now

86

00:07:50,360 --> 00:07:54,800

I get the reasoning behind this it makes sense. Okay, so you fill your tire to 60 psi

87

00:07:54,840 --> 00:07:59,240

You're getting less contact with the road because the tire is bulging. There's less of a footprint

there

88

00:07:59,240 --> 00:08:04,560

You're getting less rolling resistance and therefore you're possibly getting better fuel efficiency

89

00:08:04,600 --> 00:08:09,480

That's the theory but the number crunching will have to wait because on the next two tests

90

00:08:09,480 --> 00:08:15,680

The guys are working within real-world parameters of 15% above and below the control

91

00:08:18,000 --> 00:08:20,000

Let's get to the results

92

00:08:20,000 --> 00:08:26,160

Okay, what do we got? Okay, so for the plus 15% over inflated tires at 40 psi

93

00:08:26,560 --> 00:08:36,160

We consumed 6.2 percent less fuel makes sense and in the case of the 15% under inflated at 30 psi we consumed

94

00:08:38,280 --> 00:08:40,280

1.2 percent more fuel and

95

00:08:41,160 --> 00:08:45,440

Confirming the myth the numbers for the extreme tests are even more extreme

96

00:08:45,760 --> 00:08:50,960

basically flat tires increase friction and therefore increase fuel consumption

97

00:08:51,120 --> 00:08:55,840

But when it comes to saving money the raw numbers don't tell the whole story

98

00:08:56,160 --> 00:09:03,480

And here's why so what we're finding with the under inflated tires is that we're consuming more fuel and this makes sense when you consider

99

00:09:03,480 --> 00:09:10,040

The tire contact patch which is the actual surface area of the tire that makes contact with the road and when the tires are under inflated

100

00:09:10,160 --> 00:09:14,320

The contact patch is larger which increases the rolling resistance

101

00:09:14,680 --> 00:09:18,320

Increases the friction and makes it harder for the engine to move the car

102

00:09:18,320 --> 00:09:23,720

But if you really break this down to saving money well in a year drive 10,000 miles

103

00:09:23,760 --> 00:09:25,760

You're only saving about

104

00:09:25,760 --> 00:09:30,400

\$76 now if you weigh that against the fact that you might get a blowout and put your life in danger

105

00:09:30,640 --> 00:09:37,120

You're not actually saving anything at all. So drive around with your tires inflated to the recommended air pressure. That's your best bet

106

00:09:41,800 --> 00:09:45,960

Next on myth busters will our scuba diving spy come up dry

107

00:09:46,960 --> 00:09:51,960

Then carry Grandontory take aim at some ballistic internet claims

108

00:09:52,320 --> 00:09:54,320

Results from this are extremely surprising

109

00:09:58,120 --> 00:10:00,120

This is the fan inspired

110

00:10:00,440 --> 00:10:08,760

Request-fest special and agent Heidemann wearing his tuxedo underneath his dive suit is on his way to gate crash a boat party

111

00:10:08,840 --> 00:10:14,440

Let's recap the myth is that a secret agent could scuba dive to a formal party in a tuxedo

112

00:10:14,440 --> 00:10:18,160

That's right wearing a tuxedo under the water arrived take off the scuba gear and

113

00:10:18,680 --> 00:10:24,240

Attract no attention at all. No one would be any the wiser. So in order to test this. I'm the control

114

00:10:24,240 --> 00:10:31,080

I am here on this boat having dressed myself above decks while James Franklin Heidemann the secret agent is currently

115

00:10:31,080 --> 00:10:33,720

Scuba diving here under the water when he arrives

116

00:10:33,720 --> 00:10:40,080

He'll take off this gear and we will have both of our tuxes assessed to see if they pass muster

117

00:10:43,000 --> 00:10:45,000

Any minute now

118

00:10:45,000 --> 00:10:51,960

And the challenge Jamie's facing is a spy worthy 40 minutes swim at a maximum depth of 60 feet

119

00:10:52,240 --> 00:10:58,760

Covering almost a mile a tough task for an unruly tux one Adam thinks is beyond Jamie

120

00:11:00,920 --> 00:11:04,160

Well, mr. Heidemann has five thousand some odd dives under his belt

121

00:11:04,160 --> 00:11:09,320

I will wager this is a first for him and I will further wager that it's not gonna work very well

122

00:11:09,320 --> 00:11:14,080

I think he's gonna come out of the water and his tux is gonna look like not only did he spent three days in the rain in it

123

00:11:14,080 --> 00:11:16,080

But he slept in it every single night

124

00:11:17,280 --> 00:11:21,840

Right on cue our man of action surfaces and slips out of his dive suit

125

00:11:22,840 --> 00:11:30,680

And incredibly the initial impression is agent Heidemann is not just completely dry in terms of seawater and sweat

126

00:11:30,800 --> 00:11:37,200

But unflustered and suitably dapper mighty respectable. I'm blown away your suit looks fantastic

127

00:11:37,440 --> 00:11:38,720

I

128

00:11:38,720 --> 00:11:44,080

Gotta say this story falls into the realm of the our elephants afraid of mice category

129

00:11:45,600 --> 00:11:50,640

I thought we'd throw Jamie and some scuba gear throw him underwater and he'd come up and we'd laugh about how horrifying

130

00:11:50,720 --> 00:11:54,520

His tuxedo look but honestly he looks fantastic

131

00:11:54,520 --> 00:11:59,000

He's not only dry as a bone, but I have a hard time finding anything wrong with this entire getup

132

00:11:59,800 --> 00:12:03,800

But the final decision is down to the keen eye of our style guy

133

00:12:04,080 --> 00:12:11,720

All right, well then the million dollar question is would Jamie pass muster at a formal gathering I would say absolutely

134

00:12:13,120 --> 00:12:20,680

Absolutely confirmed it is nicely done agent Heidemann. Thank you Bertrand. You're very welcome. All right. Let's crush your party. Absolutely

135

00:12:20,800 --> 00:12:34,560

Okay, randomizer give us something good

136

00:12:34,560 --> 00:12:36,560

Okay

137

00:12:47,040 --> 00:12:52,200

Hi guys in the past you've done shows about whether certain everyday items are bulletproof or not

138

00:12:52,440 --> 00:12:57,520

Well, I've got three more for you that I've read about recently one a hair weave

139

00:12:57,680 --> 00:13:04,200

What to a laptop and three a fridge door, okay now that is random

140

00:13:04,200 --> 00:13:09,200

Oh, wait, wait, he has also got some links to the relevant newspaper articles

141

00:13:09,680 --> 00:13:16,760

Yep, thanks to our eagle-eyed viewer the team will lock load and take aim at these three separate claims

142

00:13:17,080 --> 00:13:22,440

With a spray of nine millimeter rounds really be stopped stone cold by a fridge

143

00:13:22,640 --> 00:13:28,440

Is it possible a air weave would stop a 40 caliber pistol dead in its tracks?

144

00:13:28,680 --> 00:13:34,120

And could your laptop really block a point blank blast from a shotgun?

145

00:13:40,120 --> 00:13:42,120

All right, let's start shooting stuff

146

00:13:43,160 --> 00:13:47,500

One of our favorite places to come and we have all of our targets laid out right here

147

00:13:47,860 --> 00:13:55,460

Laptop cases wigs weaves laptops and of course the firepower a shotgun and a 40 caliber pistol

148

00:13:55,860 --> 00:14:01,540

This should be a fun day and first to face the firing squad of truth is the laptop

149

00:14:01,660 --> 00:14:03,740

Here's Grant with the setup first case

150

00:14:04,420 --> 00:14:09,840

Now the details of this myth are a little sketchy, but what we do know is that it's from four or five years ago

151

00:14:09,940 --> 00:14:11,940

so we've got a

152

00:14:11,980 --> 00:14:16,860

Best-selling laptop from four or five years ago, but again inside of this average briefcase

153

00:14:17,380 --> 00:14:21,240

We're gonna fire at it from three to four feet point blank range

154

00:14:21,240 --> 00:14:27,700

And if it penetrates this and goes into the ballistics gel, we know that this is not bulletproof

155

00:14:28,300 --> 00:14:30,940

All right ready to load lock and load baby

156

00:14:31,020 --> 00:14:37,700

So we are about to fire bird shot from a 12 gauge shotgun into this computer at point blank range to find out if this is bulletproof

157

00:14:37,700 --> 00:14:39,460

Fire one ready

158

00:14:39,460 --> 00:14:43,860

My feeling is we just don't have enough space to allow that bird shot to spread out

159

00:14:43,860 --> 00:14:49,660

So it's gonna be coming out in one large mass, and I think it's gonna punch a hole right through this computer in three

160

00:14:50,540 --> 00:14:51,820

two

161

00:14:51,820 --> 00:14:53,820

one

162

00:14:54,660 --> 00:15:02,980

Unfortunately for our ballistics gel victim Tori's prediction like Carrie shooting was dead on that

went right through the laptop and

163

00:15:03,100 --> 00:15:06,620

Destroyed the ballistics gel and it's not all that surprising

164

00:15:07,380 --> 00:15:13,260

Laptops are designed to be portable and most of the components are fairly lightweight except for one

165

00:15:14,100 --> 00:15:16,100

That try Amy for the battery

166

00:15:19,860 --> 00:15:22,260

All right this time I'm aiming for the battery

167

00:15:23,020 --> 00:15:29,140

But will that make a difference to the 12 gauge shotgun firing bird shot at 1200 feet per second

168

00:15:29,980 --> 00:15:32,380

in three two one

169

00:15:33,900 --> 00:15:39,460

What what what just happened we may have stopped the bird shot

170

00:15:40,380 --> 00:15:42,460

No, no way no

171

00:15:43,780 --> 00:15:45,020

Way

172

00:15:45,020 --> 00:15:52,580

Incredibly in complete contrast to the first test the ballistics gel was spared. There is no exit wounds on the bag

173

00:15:52,580 --> 00:15:58,980

I mean if you had the computer in the right position when the guy fired the shotgun you would probably stop those bird shots

174

00:15:59,060 --> 00:16:02,020

I'll tell you what the results from this are extremely surprising

175

00:16:02,020 --> 00:16:06,140

I mean we are really close range with a 12 gauge shot

176

00:16:06,740 --> 00:16:10,380

Hit the battery you live knocks the wind out of you

177

00:16:10,460 --> 00:16:13,900

But once you recover you need to get up and go buy yourself a lottery ticket

178

00:16:13,900 --> 00:16:19,700

This is a very lucky day for you if you hit the battery your computer is bulletproof. That's incredible

179

00:16:20,340 --> 00:16:25,980

Okay, well you have to be incredibly lucky, but this one's plausible totally plausible plausible. That is awesome

180

00:16:29,380 --> 00:16:37,340

After the break Adam and Jamie's spread color do for you

181

00:16:40,900 --> 00:16:46,700

You know we love experiments that use forces of nature like sunlight today, we're here to test that power right guys

182

00:16:47,060 --> 00:16:54,700

Where's Tori? Hey, I'm over here. I'm just utilizing the power of nature. Okay impressive not quite why we're here

183

00:16:54,700 --> 00:16:59,100

Hey Tori you're soaking in the power of the Sun because you know this car does exactly the same thing

184

00:16:59,100 --> 00:17:03,660

I think he's been in the Sun too long. What are you talking about? It's all about the roof man

185

00:17:03,660 --> 00:17:09,060

It's actually a solar panel. It's got 36 solar cells to convert the Sun's power into electricity

186

00:17:09,340 --> 00:17:15,000

Keeps the car cool plus its mobile ooh portable solar power think about what that could do

187

00:17:15,940 --> 00:17:22,060

No more dead cell phones. I could power up my laptop solar powered robots even watch my outdoor television

188

00:17:22,460 --> 00:17:29,700

Possibilities are endless. I could even use my solar powered hairdryer to keep my hair looking good. Okay, it's solar power not magic

189

00:17:29,700 --> 00:17:33,940

Oh, you say sunburn. Have you seen my hair? It is magic

190

00:17:44,860 --> 00:17:48,940

There are myth fosters my gran and me love the episode with the sneezes

191

00:17:49,460 --> 00:17:54,340

But can you please tell us the safest way to sneeze without spreading germs?

192

00:17:54,940 --> 00:17:56,940

sincerely Thomas I

193

00:17:56,980 --> 00:17:59,100

Think you totally do that. Yeah, we can do that

194

00:18:00,140 --> 00:18:07,380

Yeah, too the myth busters have sneezed for science before which made for some rather unpleasant viewing

195

00:18:08,860 --> 00:18:12,700

There's a little silvery booger there too right on this big old stash

196

00:18:13,860 --> 00:18:18,540

So remember you've been warned now. We're going to be testing some techniques

197

00:18:19,180 --> 00:18:24,780

For stopping sneezes from spreading their wares their germs their bacteria and that's what this rig is set up to test

198

00:18:25,100 --> 00:18:29,820

Jamie and I will wear white suits like I'm wearing now and stand here at the apex and we will sneeze

199

00:18:29,980 --> 00:18:33,180

Of course our mouths will be filled with colored liquid like before

200

00:18:33,460 --> 00:18:37,780

We're going to try and prevent the spread of that sneeze with three different methods one open hand

201

00:18:38,580 --> 00:18:44,220

To into the elbow, but she and three something no gentleman should be without a handkerchief

202

00:18:44,580 --> 00:18:50,740

Let's see we're going to be looking at our suits and on the floor to see which one works the best

203

00:18:51,700 --> 00:18:53,700

sneezing into the open hand

204

00:18:54,060 --> 00:18:56,660

I'm predicting this is going to be kind of a horror show

205

00:19:00,660 --> 00:19:02,660

A swig and a sniff later

206

00:19:06,780 --> 00:19:08,780

That's one yeah

207

00:19:10,420 --> 00:19:12,420

For each style

208

00:19:12,940 --> 00:19:16,020

They're going to unleash a sample of three sneezes

209

00:19:18,140 --> 00:19:21,740

No, it looks horrible doesn't it I look like a vampire ah

210

00:19:23,060 --> 00:19:29,780

Adam's face is a picture, but it's the canvas that tells the real story. I see spots up to eight feet away, dude

211

00:19:30,100 --> 00:19:33,180

Yeah, it did spread quite a lot, but there's a lot of markings here

212

00:19:33,420 --> 00:19:37,260

So I'd say single hand not so good. Yeah, not so good

213

00:19:37,740 --> 00:19:43,340

Not so good and then some even with his hand directly in front of the oncoming sneeze

214

00:19:43,700 --> 00:19:46,500

Adam can't begin to contain the explosion

215

00:19:47,140 --> 00:19:53,060

Now I'm pretty clear that sneezing into your hand is meant as a courtesy to those around you to keep from spreading your germs

216

00:19:53,060 --> 00:19:57,740

On them and as far as I can see it's quite effective at doing exactly the opposite

217

00:19:57,780 --> 00:20:02,900

I noticed there's almost no red dye on me at all and

218

00:20:03,460 --> 00:20:06,580

Cramp loads all around me if I was on a subway

219

00:20:07,620 --> 00:20:09,380

Typhoid Mary

220

00:20:09,380 --> 00:20:13,460

With the hand getting the thumbs down can the elbow do any better?

221

00:20:14,180 --> 00:20:18,540

To find out it's over to Jamie and he'll be sneezing in green

222

00:20:21,260 --> 00:20:27,540

Now we wait for the sneeze to take effect on Jamie's

223

00:20:28,460 --> 00:20:34,820

Hoosier nose slowly it irritates the cilia inside and with the cilia salivating

224

00:20:37,620 --> 00:20:39,620

Oh

225

00:20:43,700 --> 00:20:47,540

Three sneezes later and the results are very impressive

226

00:20:50,460 --> 00:20:54,780

Yeah, I see only two droplets and one on your shoe and let's look at your elbow here

227

00:20:55,540 --> 00:20:59,000

That's totally localized to you man, and you know what?

228

00:20:59,660 --> 00:21:05,140

It's all on my arm and not on my hand, so I'm not as likely to spread it around. Yeah, it's doubly effective

229

00:21:05,740 --> 00:21:13,820

Hands down the elbow is a highly effective technique with virtually the entire sneeze contained on each of Jamie's sneezes

230

00:21:14,140 --> 00:21:16,860

But can the humble hanky do better still?

231

00:21:17,340 --> 00:21:21,780

Well, it's back to Adam and for this final test he's sneezing in blue

232

00:21:29,180 --> 00:21:31,180

How do we do

233

00:21:31,980 --> 00:21:39,020

Let's get tiny tiny tiny tiny tiny tiny dot of blue there at first it seems like the hanky may be victorious until

234

00:21:39,780 --> 00:21:41,780

I see some on the hanky

235

00:21:43,980 --> 00:21:50,620

And look it's penetrated all the way to both sides it's penetrated both sides and perhaps most damnably

236

00:21:51,940 --> 00:21:58,700

It's all my hands ready to spread to the next person whose hand I shake the sneeze seeped through the hanky

237

00:21:59,220 --> 00:22:04,100

Contaminating Adam's hand making it a pretty poor technique and it gets worse

238

00:22:04,620 --> 00:22:10,780

Let me make one more thing clear about this hanky. I'm holding here imagine how'd you how'd you how'd you sneezing it all day?

239

00:22:10,780 --> 00:22:16,000

Long you keep on putting it in your pocket pulling it back out giving people change from your pocket handing them your pen

240

00:22:16,000 --> 00:22:18,980

Handing them your phone talking on your phone spreading

241

00:22:19,460 --> 00:22:24,100

Germs. Yeah, it's not just a Rorschach test. It's a petri dish

242

00:22:24,740 --> 00:22:30,180

Although the droplets were contained the hand exposure means the hanky has hit the skins

243

00:22:30,980 --> 00:22:34,340

So this blue season which method are you gonna use the hand?

244

00:22:34,980 --> 00:22:36,980

the elbow

245

00:22:38,460 --> 00:22:42,260

Gotta be the elbow. I totally agree. It's the elbow. So now you know

246

00:22:44,020 --> 00:22:50,020

Coming up you look like a pretty strange family will a wig really help you keep your head one

247

00:22:55,060 --> 00:22:59,340

Carrie Grant and Tori are tackling a trio of ballistic tall tales

248

00:22:59,580 --> 00:23:03,340

They've already got proof a laptop could be bulletproof

249

00:23:03,980 --> 00:23:10,100

Next they're tackling the widely reported story that air extensions could extend your life

250

00:23:10,100 --> 00:23:12,100

We look like a pretty strange family

251

00:23:12,500 --> 00:23:14,500

Yeah, I strange family

252

00:23:14,780 --> 00:23:20,380

Since our bulletproof hair weave myth was ripped straight from the headlines. We're lucky enough to have a few details

253

00:23:20,620 --> 00:23:26,500

One we know they used a 40 caliber pistol to they were eight to ten feet away and three

254

00:23:26,500 --> 00:23:30,780

We know they shot through the back window of the driver side. So

255

00:23:31,860 --> 00:23:36,260

Sounds a little crazy to me, but I guess we'll see if the hair weave can stop a bullet

256

00:23:36,500 --> 00:23:42,940

My guess is smoothing the firepower to make it through a windshield through a headrest through a hair weave and

257

00:23:43,260 --> 00:23:47,180

Ultimately through the rest of a dummy. Here we go in three two one

258

00:23:51,060 --> 00:23:57,500

Go check it out inside the car. It's not long before the all-too-damning evidence is discovered

259

00:23:59,740 --> 00:24:03,020

It actually went through her head it pulled the hair weave

260

00:24:05,500 --> 00:24:15,340

Well one thing's for sure air weave is not bulletproof, okay, this is amazing check out this evidence right here the bullet goes in through the weave

261

00:24:16,220 --> 00:24:20,140

You'll notice it pulls the weave through the head and

262

00:24:20,980 --> 00:24:28,140

Brings the weave with the bullet out the other side. This is very busted. This is not a bulletproof weave and

263

00:24:28,780 --> 00:24:32,860

through the back window the headrest and then into the weave

264

00:24:33,340 --> 00:24:35,340

It's busted

265

00:24:36,780 --> 00:24:42,100

But the woman was shot at and did find the bullet in her weave so what happened?

266

00:24:42,740 --> 00:24:45,720

This myth seems somewhat suspect to me from the beginning

267

00:24:45,720 --> 00:24:52,500

I mean if I can ram my finger through the hair weave a bullet is gonna go through it especially a direct hit now

268

00:24:52,500 --> 00:24:56,580

I'm sure the woman did find a bullet tangled up in her hair

269

00:24:56,740 --> 00:25:03,620

I'm just thinking maybe something else happened. Maybe a ricochet landed back in her hair weave and she thought that's what saved her

270

00:25:03,700 --> 00:25:04,180

Yep

271

00:25:04,180 --> 00:25:11,540

The likeliest scenario is the bullet ricocheted around inside the car before winding up in the weave of the intended victim

272

00:25:12,340 --> 00:25:22,980

What could be next well, let's see

273

00:25:29,620 --> 00:25:34,660

Dear myth busters, I've often heard people refer to something they think is easy as being

274

00:25:35,540 --> 00:25:37,540

Like taking candy from a baby

275

00:25:38,020 --> 00:25:40,020

Here's what I want to know

276

00:25:40,020 --> 00:25:44,100

Is it really that easy to take candy from a baby?

277

00:25:44,580 --> 00:25:45,940

regards

278

00:25:45,940 --> 00:25:47,060

childless

279

00:25:47,060 --> 00:25:48,580

in ohio

280

00:25:48,580 --> 00:25:52,340

I'm kind of wondered about that myself and it's just like you to wonder that

281

00:25:54,500 --> 00:26:00,100

It's a familiar phrase that supposedly illustrates a simple and easily achievable task

282

00:26:00,980 --> 00:26:07,940

The idea being that the baby is defenseless in the face of mean misatioed candy grabbers

283

00:26:08,980 --> 00:26:13,380

But Howard Jamie and Adam once he's had a timeout going to test it

284

00:26:13,700 --> 00:26:16,900

So how are we going to measure how difficult it is to take candy from a baby?

285

00:26:17,780 --> 00:26:23,060

Well, the first thing that comes to mind for me is grip strength. There we go. That's what i'm looking for

286

00:26:23,940 --> 00:26:30,340

And to measure that I figure we'll need to design some kind of a device that grabs the candy and then

287

00:26:30,820 --> 00:26:35,220

Can record how much force it takes to pull that candy out of the baby's hand

288

00:26:36,500 --> 00:26:38,500

A little tiny candy grabber

289

00:26:38,500 --> 00:26:43,860

So the guys are going to reduce the myth to a single quantifiable measurement grip strength

290

00:26:45,060 --> 00:26:47,060

Oh look at that

291

00:26:47,220 --> 00:26:53,380

And with a force gauge attached to Jamie's candy grabbing animatronic arm they can do just that

292

00:26:55,220 --> 00:27:00,020

Basically each of the babies ranging in age from six to 18 months will be given candy

293

00:27:00,580 --> 00:27:05,860

And then Jamie will see how much force is required to take that candy from their sticky

294

00:27:06,820 --> 00:27:08,820

supposedly helpless little hands

295

00:27:09,860 --> 00:27:11,860

What do you think? Do you think it's a good height for grabbing?

296

00:27:12,180 --> 00:27:14,180

I

297

00:27:15,780 --> 00:27:17,780

Seems about right

298

00:27:19,300 --> 00:27:22,180

Well, so if we're going to test this thing on some real babies we should get a

299

00:27:22,980 --> 00:27:26,740

Baseline how easy it is to pick up candy. Is that why you have that thing?

300

00:27:26,900 --> 00:27:33,220

Yeah, I found this kid in one of your boxes labeled babies up there and thought we just place the

lollipop on his chest

301

00:27:33,300 --> 00:27:37,460

We pick it up. What could be easier than that? Okay? He won't give you any resistance

302

00:27:38,260 --> 00:27:41,060

As it turns out not much at all got it

303

00:27:42,020 --> 00:27:43,860

0.08

304

00:27:43,860 --> 00:27:47,620

0.08 of a pound. Yeah. All right. So that's our baseline. That is

305

00:27:48,500 --> 00:27:51,140

The easiest possible thing to do just to pick up the lollipop

306

00:27:51,940 --> 00:27:53,940

Cue the first baby. Hello

307

00:27:54,740 --> 00:27:57,300

How are you? I'm lelly and this is this is coal

308

00:27:57,780 --> 00:28:03,780

Our first test subject coal here is just six months old and with a little prompting from adam

309

00:28:04,020 --> 00:28:08,420

He soon grabs hold of the sweet stuff. That's it. Yes

310

00:28:09,140 --> 00:28:11,140

exactly

311

00:28:12,180 --> 00:28:14,180

All right, mr. Heineman, it's all yours

312

00:28:15,780 --> 00:28:20,660

Okay, coal get ready to surrender your candy. What do you think of that?

313

00:28:27,620 --> 00:28:30,580

Wow 3.16 pounds

314

00:28:32,020 --> 00:28:34,020

Nice work strum like bull

315

00:28:35,060 --> 00:28:39,540

3.16 pounds is a huge 40 times increase on the control

316

00:28:39,940 --> 00:28:44,260

And an indication that this myth might not be as straightforward as it appeared

317

00:28:45,540 --> 00:28:52,980

Bringing the next baby a theory compounded by the next subject 10 month old ruby. Oh, that's it

318

00:28:54,260 --> 00:28:56,420

Yeah, okay

319

00:29:02,580 --> 00:29:06,260

Are you scaring her with your robot arm that seems to be the problem

320

00:29:06,580 --> 00:29:10,420

That and the fact that jamie is trying to steal her candy. Oh, what's that?

321

00:29:13,300 --> 00:29:17,140

With ruby obviously uncomfortable the team decides to move on

322

00:29:17,540 --> 00:29:22,340

But it should be noted that by utilizing her key baby power crying

323

00:29:22,820 --> 00:29:27,540

Jamie failed to relieve her of the candy. Maybe it's not so easy after all

324

00:29:28,660 --> 00:29:33,860

Coming up the team tackle a sweet tasting tall tale that may well end in tears

325

00:29:36,260 --> 00:29:42,340

It's the final installment of the request fest bulletproof myth

326

00:29:43,620 --> 00:29:50,820

One of our viewers led us to this story when it kicked off in the kitchen our lucky survivor hid behind a fridge door

327

00:29:51,220 --> 00:29:56,020

Which supposedly proved impenetrable to several nine millimeter rounds

328

00:29:56,660 --> 00:29:58,980

All right, who's signing for these refrigerators?

329

00:30:00,260 --> 00:30:03,540

So why would a refrigerator door possibly be a good shield against bullets?

330

00:30:03,860 --> 00:30:06,820

Well, there is rolled steel throughout this door

331

00:30:07,380 --> 00:30:12,900

You can tell because you can put a magnet on it. So it might be able to stop the bullet or at least slow it down

332

00:30:12,900 --> 00:30:14,900

So you won't get hurt

333

00:30:15,380 --> 00:30:17,380

Yes, that's good right there

334

00:30:17,540 --> 00:30:19,220

It's good

335

00:30:19,220 --> 00:30:26,020

All right, and to give the myth the seal of bachelor authenticity tori has brought the entire contents of his fridge

336

00:30:27,700 --> 00:30:32,260

This one doesn't have any mold so that's still good. I think this is pesto or

337

00:30:32,980 --> 00:30:34,980

I don't know. Maybe it's just turned green

338

00:30:35,460 --> 00:30:37,460

Of course, it's not entirely realistic

339

00:30:38,020 --> 00:30:42,820

But a shell full of jars and canned goods will give the myth the best chance possible

340

00:30:47,060 --> 00:30:54,740

Okay, this is bulletproof fridge door in three two one

341

00:31:02,820 --> 00:31:04,820

Nice

342

00:31:05,860 --> 00:31:07,860

Nice shooting Tex

343

00:31:08,580 --> 00:31:14,420

I saw stuff flying. I don't know about you guys, but I don't think there's anything bulletproof about that refrigerator

344

00:31:14,900 --> 00:31:19,860

Well, I'm not hiding behind a refrigerator next time. I'm on a gunfight. Okay. Let's go check it.
Yeah

345

00:31:21,860 --> 00:31:23,860

Oh

346

00:31:25,380 --> 00:31:31,300

I would have to say those are lethal shots. Yeah, check this out plastic from the door

347

00:31:31,620 --> 00:31:33,620

Now that looks painful

348

00:31:34,100 --> 00:31:41,540

Not just painful lethal the ballistics gel is riddled with nine mil rounds plastic shrapnel glass shrapnel

349

00:31:42,020 --> 00:31:47,060

And mustard leaving the mill clustered, but the guys aren't giving up just yet

350

00:31:48,020 --> 00:31:52,660

Middle of the door is pretty thin. Is that all there is to this door some metal and a little bit of plastic

351

00:31:52,820 --> 00:31:59,060

I think it's just the cover here. Yeah, but you know what the older fridge might have thicker gauge steel and multiple layers of it

352

00:31:59,540 --> 00:32:06,100

All right, let's move on to the older refrigerator. Yep, they're going old school cool with a fridge from the 50s

353

00:32:06,180 --> 00:32:08,180

This thing is gorgeous. What a shame

354

00:32:08,980 --> 00:32:12,340

But more important than the design aesthetic is its mass

355

00:32:15,060 --> 00:32:21,300

Oh my goodness, this is very very heavy, which I think is a good sign. Yes, this thing is solid

356

00:32:21,380 --> 00:32:24,820

So why might this old refrigerator be a good choice for a bulletproof shield?

357

00:32:24,980 --> 00:32:32,260

Well, modern refrigerators have thin gauge steel and plastic but when this was made they didn't

have all that they had this

358

00:32:34,100 --> 00:32:40,020

Steel and a lot of it now. We know that this fridge is double wall. You've got at least two layers

359

00:32:40,100 --> 00:32:42,340

And hopefully that's fairly thick gauge steel

360

00:32:43,460 --> 00:32:45,460

That's what my money's on

361

00:32:46,260 --> 00:32:53,460

All right, this is old-fashioned refrigerator door versus nine millimeter. Here we go in three two one

362

00:32:55,300 --> 00:32:57,300

Oh

363

00:33:01,380 --> 00:33:04,260

Looks like it went through. Yeah, I think so. Damn

364

00:33:04,900 --> 00:33:07,780

Yep, the evidence has cooled the team's optimism

365

00:33:08,740 --> 00:33:14,260

The old-fashioned fridge like the modern one has clearly failed on the bulletproof front

366

00:33:16,420 --> 00:33:18,420

Now that is a shot

367

00:33:18,580 --> 00:33:22,340

Through the door through the condiments and hitting the aluminum bar

368

00:33:22,500 --> 00:33:26,500

These doors are not stopping these bullets. Those were nine millimeter rounds

369

00:33:26,500 --> 00:33:29,140

I mean, they weren't even magnets and they still passed right through

370

00:33:29,460 --> 00:33:35,300

I thought we had some hope here, but this is all busted gotta say it's busted. Totally busted. We ruined a fridge for nothing

371

00:33:42,420 --> 00:33:50,100

Up next the candy cleptomania continues and carry grantentori tackle a tasty tale of beverage bashing

372

00:33:53,060 --> 00:33:59,620

All right spin it up. All right randomizing. Okay

373

00:34:04,820 --> 00:34:06,820

All right

374

00:34:08,180 --> 00:34:11,300

This one says I know you like beer

375

00:34:12,740 --> 00:34:14,340

So you'll like this one

376

00:34:14,340 --> 00:34:19,380

I've seen a video of a guy taking a beer bottle out of a freezer and the beer is in liquid form

377

00:34:19,460 --> 00:34:25,060

He bangs it on the countertop and the beer instantly freezes. Is this true? If so, what's going on?

378

00:34:25,460 --> 00:34:30,340

I've definitely heard this one. All right. Well, let's get some beer in a freezer and go for it

379

00:34:32,740 --> 00:34:37,940

There are a number of instant beer freeze viral videos doing the cyberspace rounds

380

00:34:38,420 --> 00:34:42,340

And supposedly if you leave a bottle of beer in the freezer for a while

381

00:34:42,740 --> 00:34:47,940

Then give it a short sharp shock. Hey presto. You get an instant frozen beer

382

00:34:48,500 --> 00:34:50,500

It's a challenge that guys can't resist

383

00:34:51,380 --> 00:34:56,580

We're at the myth busters lab to test the internet instant frozen beer myth. First we're going to need

384

00:34:58,660 --> 00:35:03,380

Beer and furthermore it has to be in the glass container and at the right temperature

385

00:35:05,140 --> 00:35:07,140

And then we'll take the bottles of beer

386

00:35:07,780 --> 00:35:13,300

Stick them in the freezer for different amounts of time to see exactly how long it takes

387

00:35:14,020 --> 00:35:20,180

To get an instant beer freeze with varying reports on the duration and temperature required for successful

388

00:35:20,500 --> 00:35:24,020

insta freezing the guys are covering their bases and

389

00:35:25,220 --> 00:35:26,580

experiment

390

00:35:26,580 --> 00:35:28,020

begins

391

00:35:28,020 --> 00:35:34,420

Little bit of internet research has told us that the butter zone for the super cool instant frozen beer myth is about two hours

392

00:35:34,580 --> 00:35:37,780

But since every freezer is different, we're going to do a little experiment with this one

393

00:35:37,940 --> 00:35:39,140

We have four beers in the freezer

394

00:35:39,140 --> 00:35:44,100

We're going to take them out at different intervals and see if we found the perfect time formula for boom

395

00:35:44,820 --> 00:35:46,420

frozen beer

396

00:35:46,420 --> 00:35:49,700

So there are a number of different theories just to exactly why this phenomena happens

397

00:35:50,100 --> 00:35:55,860

One of them is that the beer has to be just on the edge of freezing and by adding kinetic energy in the form of a shock

398

00:35:56,660 --> 00:36:02,500

It causes bubbles to form rapidly and that takes out just enough temperature to cause the beer to freeze instantly

399

00:36:04,340 --> 00:36:06,340

It's five o'clock somewhere in the world

400

00:36:09,540 --> 00:36:13,220

Another theory is super cooling that is when the beer is in its liquid state

401

00:36:13,380 --> 00:36:17,620

But its temperature is below its freezing temperature once the beer is agitated

402

00:36:18,020 --> 00:36:23,060

It disturbs the molecules creating nucleation sites that allows ice crystals to form

403

00:36:23,380 --> 00:36:26,420

Those ice crystals have more surfaces for more ice crystals to form

404

00:36:26,740 --> 00:36:30,260

Creating a cascading effect that will solidly freeze this beer

405

00:36:30,500 --> 00:36:35,140

Both of those theories depend on the beer being at or below its freezing point

406

00:36:36,100 --> 00:36:42,020

All right, it is time to pull the first beer which is somewhere around 32 degrees fahrenheit

407

00:36:43,300 --> 00:36:45,300

Okay, beer number one two hours

408

00:36:46,580 --> 00:36:48,580

All right smack it you ready

409

00:36:50,340 --> 00:36:56,260

Wow, I think you broke the beer you almost smashed the bottle. All right, should we check the thermal camera? Yeah

410

00:36:58,260 --> 00:37:01,380

Okay, I have 44.1 degrees

411

00:37:01,940 --> 00:37:05,860

That's not even close to being freezing. We got to leave it in there longer. Okay

412

00:37:06,580 --> 00:37:08,580

Next beer let's wait for the next interval

413

00:37:09,220 --> 00:37:16,100

With the time lapse time machine in full effect. It's time for the next test you guys ready for two and a half hours

414

00:37:16,340 --> 00:37:20,420

Yep, smack it here we go. One two three

415

00:37:23,220 --> 00:37:26,660

But the mythical instant beer freeze is proving elusive

416

00:37:27,620 --> 00:37:30,580

Thermal camera is reading 39 degrees

417

00:37:31,460 --> 00:37:38,420

Still not cold enough and even at two hours and 45 minutes with the beer right at its supposed freezing point

418

00:37:38,660 --> 00:37:43,620

Okay, we're actually at 32 degrees. So this might work. All right at freezing, right? You ready to smack it? Yeah

419

00:37:45,940 --> 00:37:54,020

There's still no sign which rules out grant theory that on the point of freezing the formation of bubbles suddenly reduces the temperature

420

00:37:54,340 --> 00:37:56,340

And a tipping point is reached

421

00:37:56,660 --> 00:37:59,460

All right, this beer has been in the freezer for three hours

422

00:37:59,460 --> 00:38:03,780

Okay, let's see what we got. Okay, 31 degrees

423

00:38:04,180 --> 00:38:11,220

Which is promising because this will be the first test with a still liquid beer below its freezing point. All right hit it

424

00:38:11,460 --> 00:38:13,460

Okay, here we go ready?

425

00:38:16,980 --> 00:38:22,500

Look at how well that works instant ice crystal instant frozen beer it works

426

00:38:24,260 --> 00:38:26,260

Man you can really freak some friends out with this one

427

00:38:27,300 --> 00:38:29,300

What a great party trick, right? Yeah, totally

428

00:38:29,940 --> 00:38:35,220

Watching the beer go from liquid to solid is really really beautiful because it's it

429

00:38:35,540 --> 00:38:41,220

It just grows like those little sand crystals that used to happen when you were a kid and it just fills the bottle up

430

00:38:41,300 --> 00:38:45,860

It's it's one of those really cool experiments because anybody can do it. You can do it at home

431

00:38:46,020 --> 00:38:49,860

It doesn't need explosives or professionals around. It's just a beer

432

00:38:50,740 --> 00:38:55,300

Yep, it's simple satisfying try at home science and Carrie knows why

433

00:38:55,780 --> 00:38:58,660

So it looks like the winning theory here is super cooling

434

00:38:58,900 --> 00:39:00,900

We have the beer at its liquid form

435

00:39:00,980 --> 00:39:06,660

But the temperature is just below freezing when you agitate the beer the water molecules are disturbed

436

00:39:06,900 --> 00:39:12,900

Ice crystals start to form on nucleation sites which create more ice crystals which create more ice crystals cascading

437

00:39:13,300 --> 00:39:15,300

creating a slushy beer

438

00:39:16,020 --> 00:39:18,020

Well works that's one for the internet

439

00:39:18,180 --> 00:39:19,860

That's cool

440

00:39:19,860 --> 00:39:23,540

So what are we going to do with all this experimental beer and slushy drink we've got?

441

00:39:24,020 --> 00:39:26,020

I got an 80 that's it

442

00:39:34,180 --> 00:39:42,180

Adam and Jamie are tackling the viewer requested mini myth that taking candy from a baby is really as easy as the idiom implies

443

00:39:43,460 --> 00:39:46,820

Let's get another baby. All right the next baby

444

00:39:46,980 --> 00:39:48,980

Hey

445

00:39:49,220 --> 00:39:55,940

Meet Annika and at 14 months she appears to have a candy retention skill that the younger kids don't have

446

00:39:56,500 --> 00:39:58,500

Evasion

447

00:40:00,820 --> 00:40:07,860

Oh, that's pretty good. Oh, she's crafty. Monica you're being excellent test subject

448

00:40:12,100 --> 00:40:16,740

She's totally chill you are doing great. Good job, Annika

449

00:40:17,380 --> 00:40:22,740

We're encountering resistance from these babies in the form of evasion

450

00:40:23,140 --> 00:40:28,100

They're not being as docile as we had hoped and they are holding the lollipop away from Jamie's test equipment

451

00:40:29,220 --> 00:40:31,780

These babies are crafty, but I think we can outsmart them

452

00:40:33,220 --> 00:40:35,220

She wants to hold on to it

453

00:40:35,220 --> 00:40:36,420

Oh

454

00:40:36,420 --> 00:40:38,420

But as it turns out round here

455

00:40:38,420 --> 00:40:45,140

The babies are smarter than the tv hosts because Annika decides to pull out the biggest gun in the baby arsenal

456

00:40:45,540 --> 00:40:47,540

No, now she sees you guilt

457

00:40:48,260 --> 00:40:50,260

You've gone and scared her. Oh

458

00:40:51,460 --> 00:40:55,860

I think we have to give her a little while here. Oh, sweetie. It's totally okay

459

00:40:56,020 --> 00:41:01,460

It's totally okay with adam and jaymie on the back foot and annika still in possession of the candy

460

00:41:01,620 --> 00:41:04,740

The guys are forced into a change of tactics. There we go

461

00:41:05,780 --> 00:41:07,780

Looks like a charm

462

00:41:07,860 --> 00:41:12,020

Given that the babies don't seem to like this mechanical thing coming in close to them

463

00:41:12,260 --> 00:41:18,820

I've tied a string on it to be able to remove the candy more remotely and yet get the same grip strength measurement

464

00:41:19,780 --> 00:41:21,780

And one sannika gets a good hold

465

00:41:22,580 --> 00:41:24,900

Her and jaymie begin a tug of war

466

00:41:27,940 --> 00:41:34,100

She's like the candy is leaving me. What's going on keep on keep on 1.08 pounds

467

00:41:36,260 --> 00:41:38,260

She doesn't want to let go

468

00:41:38,900 --> 00:41:40,900

Oh, oh, sweetie

469

00:41:41,300 --> 00:41:43,300

Jamie keep taking it

470

00:41:46,500 --> 00:41:48,500

Okay, I think she's done

471

00:41:48,900 --> 00:41:54,340

Don't take my candy. That was very well done. I feel terrible. I'm very sorry

472

00:41:55,380 --> 00:42:00,100

So adam and jaymie were successful with a force reading of 1.08 pounds

473

00:42:00,580 --> 00:42:04,420

But guilt ridden which means it's time for the final test

474

00:42:05,140 --> 00:42:08,660

Frankie our 18 month old baby was a little bit difficult at first

475

00:42:08,660 --> 00:42:13,220

She's a little shy took a little time to acclimatize to the crew the big camera the microphone

476

00:42:14,020 --> 00:42:16,020

But uh once we got her out of the chair

477

00:42:16,100 --> 00:42:21,140

She definitely didn't like it into her mom's arms. She actually warmed up a fair degree

478

00:42:22,020 --> 00:42:29,060

I think we're close. Okay. Here I go. Oh my goodness. Uh, oh, it's like fishing. Oh, I got a reading

479

00:42:30,020 --> 00:42:32,020

1.79

480

00:42:33,780 --> 00:42:37,300

Life up broke give a high five awesome

481

00:42:39,460 --> 00:42:41,460

I got a reading

482

00:42:42,500 --> 00:42:44,500

That's a result

483

00:42:44,740 --> 00:42:46,740

And that's a wrap by Frankie

484

00:42:48,020 --> 00:42:53,140

Which means it's time to ponder the results while the youngest baby registered more grip strength

485

00:42:53,380 --> 00:42:59,620

The older babies seemed more inclined to use strategy to resist and they wouldn't even let me get a hold of the candy in the first place

486

00:43:00,180 --> 00:43:07,540

There you go. Yeah, so what according to the myth should have been a simple task the easiest task of all simply wasn't

487

00:43:09,620 --> 00:43:14,660

Evasion and guilt strategies made it tricky and at times very difficult

488

00:43:15,300 --> 00:43:16,660

I feel terrible

489

00:43:16,660 --> 00:43:21,460

But ultimately the experiment was designed and executed to compare grip strength

490

00:43:21,860 --> 00:43:24,420

So the final result comes down to the numbers

491

00:43:25,460 --> 00:43:32,180

So where does that leave us? Well, if you remember our control it took 0.08 pounds of force to just lift our candy

492

00:43:32,660 --> 00:43:37,060

When you average the grip strength across all the babies we tested it came in in a shade of

493

00:43:37,380 --> 00:43:39,860

Two pounds of force to take the candy from them

494

00:43:40,420 --> 00:43:45,140

That means that it was 25 times more difficult to take candy from the babies

495

00:43:45,460 --> 00:43:50,580

That it was to just pick it up and that to me says that this myth is thoroughly busted

496

00:43:51,060 --> 00:43:55,540

What do you think? I agree now get out of the stroller and give me my monkey back