

# Did You Hear About . . .

1	2	3	4	5	6	7	8	9	10
The	hiker	who	realized	that	he	needed	glasses	one	day
11	12	13	14	15	16	17	18	19	20
when	he	tried	to	kill	a	stick	with	a	snake?

Answers 1-10

- 125% • NEEDED
- 92.7 g • BOOTS
- 27.2% • HIKER
- 34.4% • DAY
- 864.2 km • SOME
- 95.2 g • REALIZED
- 2140.5 ft • IF
- 53.3% • THE
- 888.9 km • HE
- 68% • WAS
- 36.1 g • GLASSES
- 72.5 oz • THERE
- 1980 ft • WHO
- 31.5% • LADY
- 2857.1 ft • ONE
- 69.4 oz • THAT



Write the word next to each correct answer in the box that contains the exercise number (some answers are rounded).



Answers 11-20

- 32 • MOSQUITOES
- 0.4% • KILL
- 144° • WHEN
- 48 cm • HIS
- 23.5 mi • STICK
- \$34.58 • HITTING
- 18 • SNAKE
- 19.3 mi • TRIED
- 135° • BECAUSE
- 34 • A
- 5.8% • BY
- 44 cm • A
- \$32.92 • TO
- 21.8 mi • BEAR
- 7.5% • WITH
- 70% • HE

- 40 lb is what percent of 75 lb?  
**53.3%**
- What percent of 9.2 m is 2.5 m?  
**27.2%**
- Find 37.5% of 5280 ft.  
**1980 ft**
- What is 140% of 68 g?  
**95.2 g**
- 72% of what weight is 50 oz?  
**69.4 oz**
- 80 km is 9% of what distance?  
**888.9 km**
- 150 volts is what percent of 120 volts?  
**125%**
- Find 3.8% of 950 g.  
**36.1 g**
- 7% of what length is 200 ft?  
**2857.1 ft**
- 344 out of 1000 students is what percent?  
**34.4%**
- What is 40% of 360°?  
**144°**
- 56 bananas is what percent of 80 bananas?  
**70%**
- 30% of what distance is 5.8 mi?  
**19.3 mi**
- Find 8.25% of \$399.  
**\$32.92**
- 3 out of 750 light bulbs is what percent?  
**0.4%**
- 22 elephants is 65% of what number of elephants?  
**34**
- 250% of 9.4 mi is what distance?  
**23.5 mi**
- \$12.93 is what percent of \$172.40?  
**7.5%**
- 150% of what length is 66 cm?  
**44 cm**
- 36 jelly donuts is 200% of how many jelly donuts?  
**18**

## 8.2 Did you Hear About ...

KEY

Solved w/ proportions:	Solved w/ Percent Equation:
1) $\frac{x}{100} = \frac{40}{75}$ $75x = 4000$ $x = 53.\bar{3}\%$	11) $x = .40 * 360$ $x = 144$
2) $\frac{x}{100} = \frac{2.5}{9.2}$ $9.2x = 250$ $x = 27.2\%$	12) $56 = \frac{x}{100} * 80$ $x = 70\%$
3) $\frac{37.5}{100} = \frac{x}{5280}$ $100x = 198,000$ $x = 1980 \text{ ft}$	13) $.3 * x = 5.8$ $x = 19.3 \text{ Mi}$
4) $\frac{140}{100} = \frac{x}{68}$ $100x = 9520$ $x = 95.2 \text{ g}$	14) $x = .0825 * 399$ $x = \$32.90$
5) $\frac{72}{100} = \frac{50}{x}$ $72x = 5000$ $x = 69.\bar{4} \text{ oz}$	15) $\frac{3}{750} = x\%$ $x = .4\%$
6) $\frac{9}{100} = \frac{80}{x}$ $9x = 8000$ $x = 888.\bar{8} \text{ km}$	16) $22 = .65 * x$ $x = 33.8 \approx 40$
7) $\frac{150}{120} = \frac{x}{100}$ $120x = 15,000$ $x = 125\%$	17) $2.5 * 9.4 = x$ $x = 23.5 \text{ Mi}$

$$8) \frac{3.8}{100} = \frac{x}{950}$$

$$100x = 3610$$

$$x = 36.1g$$

$$9) \frac{7}{100} = \frac{200}{x}$$

$$7x = 20000$$

$$x = 2857.1g$$

$$10) \frac{x}{100} = \frac{344}{1000}$$

$$1000x = 34400$$

$$x = 34.4\%$$

$$18) 12.93 = \frac{x}{100} * 172.4$$

$$x = 7.5\%$$

$$19) 1.5 * x = 66$$

$$x = 44cm$$

$$20) 36 = 2 * x$$

$$x = 18 \text{ donuts}$$