

Use the percent proportion to solve. Round answers to the nearest tenth.

back of 12

What is 35% of 52?

$$\textcircled{18.2} \quad \frac{52}{52} = \frac{35}{100}$$

$$\frac{\text{is}}{\text{of}} = \frac{70}{100}$$

What percent of 65 is 23?

$$\frac{23}{65} = \frac{\text{?}}{100} \quad \textcircled{35.4\%}$$

86% of what number is 45?

$$\textcircled{52.3} \quad \frac{45}{\text{?}} = \frac{86}{100}$$

Table 1 - 3 complete #1 - 10. Table 4 - 6 complete #11 - 20.

Did You Hear About *aid.*

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

Ratio, Proportion, and Percent
 Operations
 Solving with Percent

7.13

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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).



1. 40 lb is what percent of 75 lb?
2. What percent of 9.2 m is 2.5 m?
3. Find 37.5% of 5280 ft.
4. What is 140% of 68 g?
5. 72% of what weight is 50 oz?
6. 80 km is 9% of what distance?
7. 150 volts is what percent of 120 volts?
8. Find 3.8% of 950 g.
9. 7% of what length is 200 ft?
10. 344 out of 1000 students is what percent?

11. What is 40% of 360°?
12. 56 bananas is what percent of 80 bananas?
13. 30% of what distance is 5.8 mi?
14. Find 8.25% of \$399.
15. 3 out of 750 light bulbs is what percent?
16. 22 elephants is 65% of what number of elephants?
17. 250% of 9.4 mi is what distance?
18. \$12.93 is what percent of \$172.40?
19. 150% of what length is 66 cm?
20. 36 jelly donuts is 200% of how many jelly donuts?

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

Name:	Class:
Topic:	Date:

Main Ideas/Questions	Notes		
Discount & Markup	<ul style="list-style-type: none"> Stores frequently discount or markup items. Discounts are subtracted from the original price. Markups are added to the original price. The selling price (or sale price) is the amount the customer ends up paying. 		
Examples	<p>Directions: Find the discount and markup for each, then find the final selling price. Round to the nearest cent when necessary.</p>		
	<table border="0"> <tr> <td style="width: 50%; vertical-align: top;"> <p>1. jeans: \$58, 15% off</p> <p style="text-align: center;">Discount: _____</p> <p style="text-align: center;">Selling Price: _____</p> </td> <td style="width: 50%; vertical-align: top;"> <p>2. tablet: \$492, 20% off</p> <p style="text-align: center;">Discount: _____</p> <p style="text-align: center;">Selling Price: _____</p> </td> </tr> </table>	<p>1. jeans: \$58, 15% off</p> <p style="text-align: center;">Discount: _____</p> <p style="text-align: center;">Selling Price: _____</p>	<p>2. tablet: \$492, 20% off</p> <p style="text-align: center;">Discount: _____</p> <p style="text-align: center;">Selling Price: _____</p>
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Sales Tax & Tip	<ul style="list-style-type: none"> Sales tax is a percentage added to the selling price. A tip is a percentage added to the total bill. 		

Examples	9. Find the final price of a \$849.99 laptop with 6% sales tax.	10. Find the final price of a \$325 lacrosse stick with 7.25% sales tax.
	11. A \$105 watch is selling for 30% off. Find the final price of the watch if the sales tax is 8%.	
	12. A \$125 DVD player is selling for 10% off. Find the final price of the DVD player if the sales tax is 5.5%.	
	13. Katy bought a \$76 dress at 33% off and a \$52 pair of shoes at 15% off. If sales tax is 6.75%, how much did she pay in total?	
	14. For parties of six or more, a restaurant adds a 20% gratuity (or tip). If a dinner bill for a large party comes to \$148.25, find the total dinner bill with tip.	
	15. Greg and Alana went out to dinner. Their dinner bill came to \$68.89. If they had a \$10 coupon and left a 15% tip, how much did they pay in total?	

