

CW 31

Date _____ Period _____

Solve each problem by setting up an equation. Convert percents to decimals. Use a calculator and round to the nearest tenth (one decimal place.)

Remember that 'of' means 'multiply' and 'is' means 'equals.' Use x for the unknown, or the 'what.'

1) What is 7% of 71?

2) What is 84% of 51?

3) What percent of 117 is 65?

4) What percent of 51 is 6.4?

5) 53% of 121 is what?

6) What is 9% of 46?

7) 37% of what is 19?

8) 155 is 73% of what?

Hw 31 \rightarrow Convert percents to decimals

\rightarrow Write equations & solve

\rightarrow Use 'of' means 'multiply'

'is' means 'equals' 'what' is 'x'

Did You Hear About . . .

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
									?

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?
- What percent of 9.2 m is 2.5 m?
- Find 37.5% of 5280 ft.
- What is 140% of 68 g?
- 72% of what weight is 50 oz?
- 80 km is 9% of what distance?
- 150 volts is what percent of 120 volts?
- Find 3.8% of 950 g.
- 7% of what length is 200 ft?
- 344 out of 1000 students is what percent?
- What is 40% of 360°?
- 56 bananas is what percent of 80 bananas?
- 30% of what distance is 5.8 mi?
- Find 8.25% of \$399.
- 3 out of 750 light bulbs is what percent?
- 22 elephants is 65% of what number of elephants?
- 250% of 9.4 mi is what distance?
- \$12.93 is what percent of \$172.40?
- 150% of what length is 66 cm?
- 36 jelly donuts is 200% of how many jelly donuts?

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Remember that 'of' means 'multiply' and 'is' means 'equals.' Use x for the unknown, or the 'what.'

1) What is 7% of 71?

5

2) What is 84% of 51?

42.8

3) What percent of 117 is 65?

55.6%

4) What percent of 51 is 6.4?

12.5%

5) 53% of 121 is what?

64.1

6) What is 9% of 46?

4.1

7) 37% of what is 19?

51.4

8) 155 is 73% of what?

212.3