PERCENT REFERENCE SHEET

The "IS"
in the
problem

PART

PERCENT O

The "%"
in the
problem

The "OF"
in the
problem

WHOLE

100_°

Always stays "100"

Proportion Method

Finding the Part, Whole, or Percent

STEP1. Determine whether you are being asked to find the part, whole or percent.

Find the PART

What is 20% of 80? ____ is 20% of 80? 20% of 80 is ____? Find the WHOLE

16 is 20% of what number? 20% of ____ is 16?

Find the PERCENT

16 is what percent of 80? What % of 80 is 16?

STEP 2. Substitute the numbers given in the problem into the proportion formula. Use a variable (X) for the unknown that you are being asked to find.

Find the PART

 $\frac{X}{80} = \frac{20}{100}$

Find the WHOLE

16 x = 20 100 Find the PERCENT

 $\frac{16}{80} = \frac{X}{100}$

STEP 3. Then cross-multiply the numbers that are given and divide that answer by the remaining number.

X = 20 80 = 100

Cross Multiply the two numbers given:

 $80 \times 20 = 1600$

Now divide that answer by the number left over:

1600 ÷ 100 = 16

ANSWER = 16

16 = 20 X = 100

Cross Multiply the two numbers given:

100 x 16 = 1600

Now divide the answer by the number left over:

 $1600 \div 20 = 80$

ANSWER = 80

16 = X 80 = 100

Cross Multiply the two numbers given:

16 x 100 = 1600

Now divide the answer by the number left over:

 $1600 \div 80 = 20$

ANSWER = 20%

STUDENT NAME:	
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FIND THE PART, WHOLE OR PERCENT

		Fully at 6100.
1.	What is 20% of 60?	1.
2.	12 is 75% of what number?	2
3.	6 is what percent of 8?	3
4.	8 is 40% of what number?	4
5.	1 2.5% of what number is 24?	5
6.	What is 33% of 400?	6
7.	What is 72% of 32?	7
8.	12 is 50% of what number?	8
9.	What is 87.5% of 150?	9
10.	25 is what percent of 30?	10
11.	60 is 45% of what number?	11
12.	12 is what percent of 20?	12
13.	250% of what number is 1250?	13
14.	9 is 37.5% of what number?	14
15.	What is 0.25% of 30?	15
16.	15 is what percent of 40?	16
17.	What percent of 60 is 75?	17
18.	45 is 60% of what number?	18
19.	What is 150% of 30?	19
20.	What is 41% of 325?	20

ANGWEDO.