

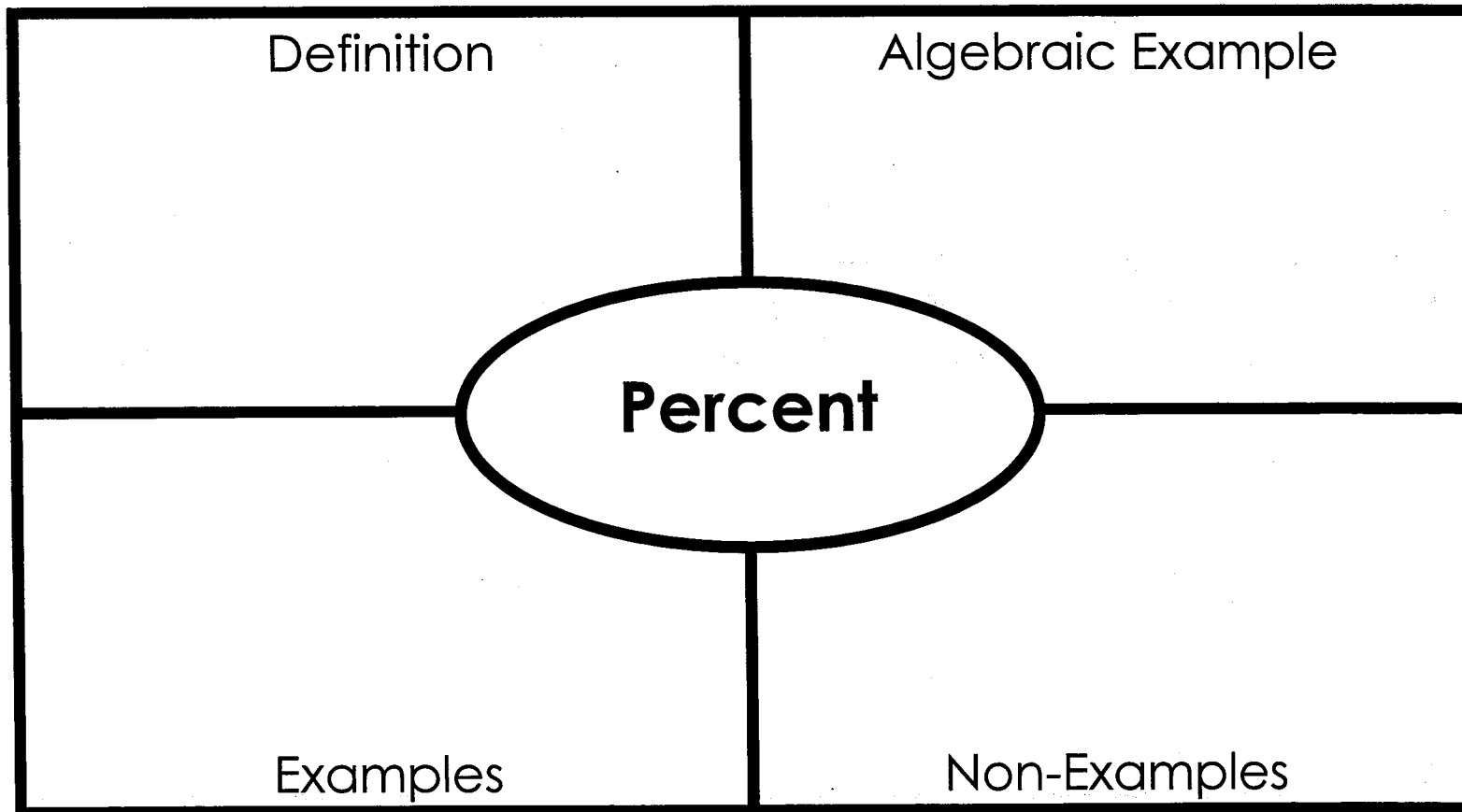
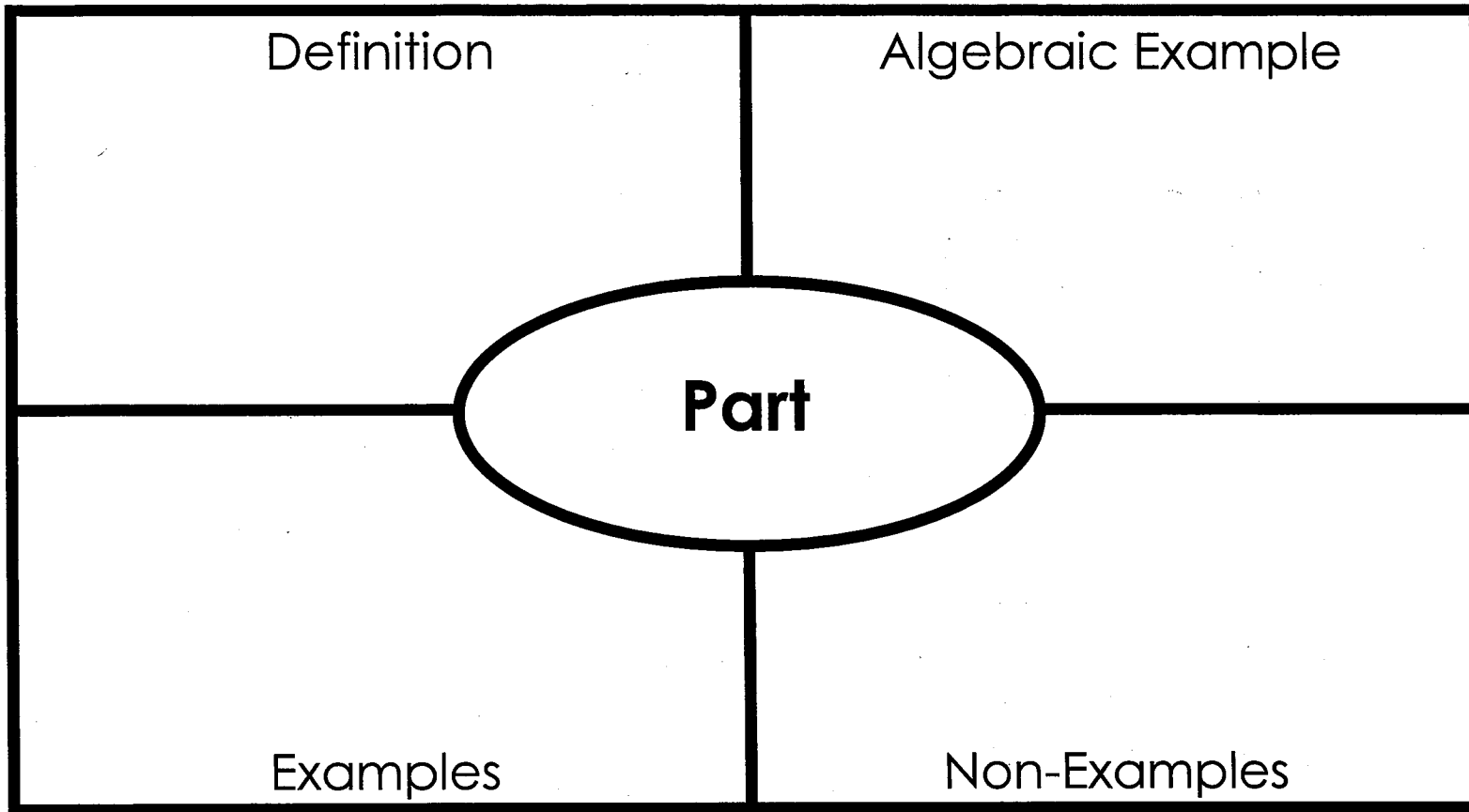
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PERCENT OF A NUMBER

VOCABULARY



Name: _____

Date: _____

PERCENT OF A NUMBER ASSESSMENT

Select the correct answer for each question.

1. What is 52% of 60?

- a) 31.2
- b) 52
- c) 115
- d) 3,120

2. What is 40% of 130?

- a) 5.2
- b) 40
- c) 52
- d) 5,200

3. Mrs. Callahan gave a test. 90% of the students passed the test. If 50 students took the test, how many passed?

- a) 40
- b) 45
- c) 90
- d) 200

4. Compare using $<$, $>$ or $=$

12% of 85 _____ **65% of 16**

- a) $<$
- b) $>$
- c) $=$

5. Manny baked 48 cookies for a bake sale. 75% of the cookies were chocolate chip. How many cookies were not chocolate chip.

- a) 12
- b) 36
- c) 42
- d) 75

6. Select each value that is less than 40.

- a) 10% of 500
- b) 45% of 16
- c) 30% of 360
- d) 75% of 250
- e) 12% of 100

Answer the question below. Be sure to show all of your work.

7. Alyssa's garden has an area of 750 square feet. 35% of the garden is planted with daisies. 40% of the garden is planted with pansies. What is the area planted with daisies? What is the area planted with pansies? How much of the garden is not planted?

PERCENT OF A NUMBER

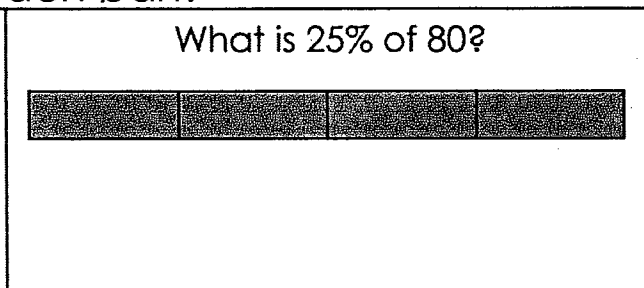
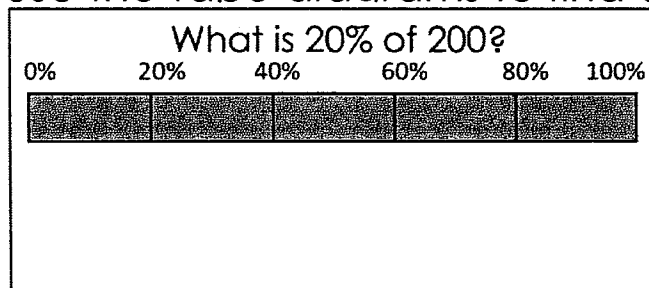
GUIDED NOTE

IMPORTANT VOCABULARY:

- **Percent:** A _____ that compares a number to _____.

PERCENT OF A NUMBER

1. To find the percent of a number means to find the _____ given the _____ and _____.
2. You can use _____ to find percent of a number.
3. Divide and label the tape diagram by the _____.
4. Then divide and label the tape diagram by the _____.
5. Use the tape diagrams to find each part.



6. To find percent of a number, change the percent to a _____ or _____.
7. Then, _____ by the whole.
8. The _____ times the whole equals the _____.

GUIDED PRACTICE

What is 10% of 45?

What is 32% of 60?

What is 5% of 120?

What is 25% of 80?

Name: _____

Date: _____



PERCENT OF A NUMBER

PRACTICE PROBLEMS

#1 Use a tape diagram to find 75% of 40.

#2 Use a tape diagram to find 80% of 50.

#3 What is 75% of 120?

#4 What is 8% of 90?

#5 George took a 30 question math quiz. She got 10% of the questions incorrect. How many questions did she get incorrect?

#6 Carol's bill for lunch was \$15. She wants to leave a 20% tip. What is 20% of bill?

#7 85 girls try out for the volleyball team. Only 40% of the girls will make the team. How many girls will make the volleyball team?

#8 There are 135 students in the school orchestra. About 12% of the members of the orchestra play the violin. How many students play the violin? Round your answer to the nearest whole number.