

Concept: Percent ... A Special Fraction

Name: _____

COMPUTER COMPONENT

Instructions: In follow the **Content Menu** path:

Fractions > Percent... A Special Fraction

Work through all Sub Lessons of the following Lessons **in order**:

- *Percent Means*
- *Introduction*
- *Percent Strips*
- *Examples*
- *Making Sense of Percent*
- *Estimating Percent*

Additional Required Materials: Pencil Crayons

As you work through the computer exercises, you will be prompted to make notes in your notebook/math journal.

NOTES

1. Fill in the blanks.

Percent means Per CENTUM.

Which means Per 100

OR

Out of 10

2. A chocolate bar costs 75 cents. 75 cents is **75%** of a whole dollar.



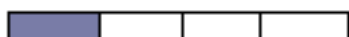
3. Color in each Percent Strip the amount indicated.



100 %



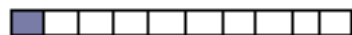
50%



25 %



20%



10 %



75%

OFF COMPUTER EXERCISES

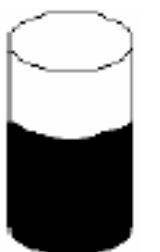
1. An environmentally smart way to care for your yard is to collect water in rain barrels for watering purposes. Color in the indicated amount of water in each rain barrel.

(a)



25 %

(b)



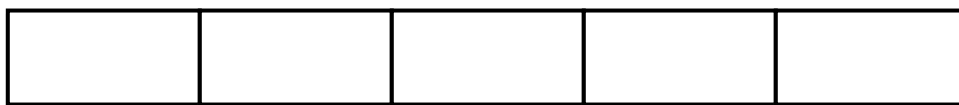
60 %

(c)



75 %

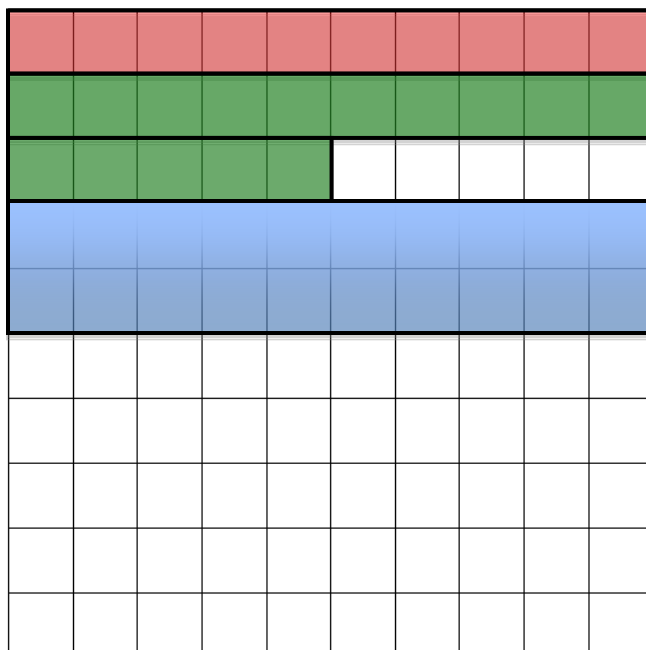
2.



5 like strips of 20 % represents 100%.

3. Follow the instructions below.

10 x 10 Grid



- Color 10 squares red.
- Color 15 % of the squares green.
- Color 20 squares blue.

- (a) What percentage of squares are colored red and blue? **30 %**
- (b) What percentage of squares are colored blue and green? **35%**
- (c) What percentage of the big square is not colored? **55%**

4. The school records show that of 100 students, 45 live within a 5 minute walk of the school. *What percentage of those 100 students live farther than a 5 minute walk away from the school?*

55% live farther than a 5 minute walk away from the school.

5. In the last 200 days, 130 days have been sunny, 60 have been rainy and 10 have just been overcast.

(a) What percentage of the days were sunny? $\frac{130}{200} = \mathbf{65\%}$

(b) What percentage of the days were overcast? $\frac{10}{200} = \mathbf{5\%}$

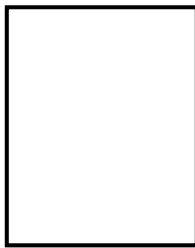
(c) What percentage of the days were **not** sunny? $\frac{70}{200} = \mathbf{35\%}$

6. If a photocopier changes an image to 225% of its normal size:

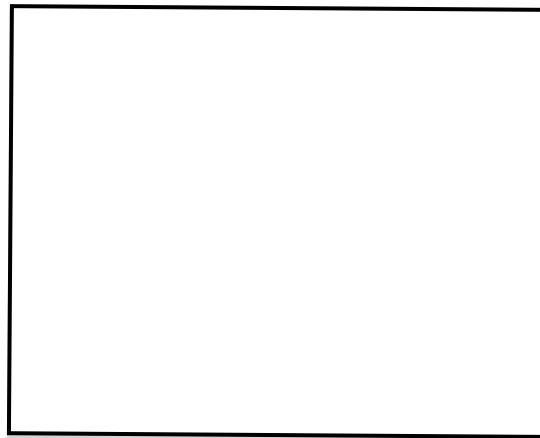
*Is the new image smaller or larger than the original? **Larger than the original.***

What might this new image look like?

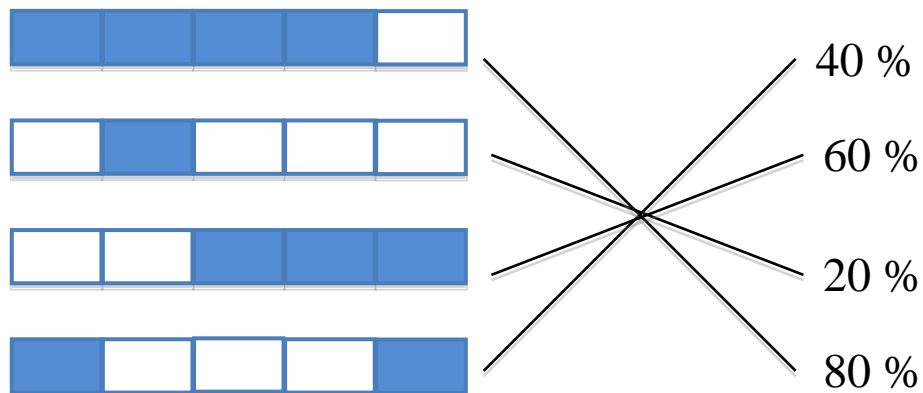
Original



New Image



7. Match the bar with the appropriate number for percentage colored. (use a ruler to draw a line to connect the two)



8. *Your turn...* Write a problem that follows these two rules:

1. It must end in a question.
2. The question must have the person use percents to answer it.

Have a friend answer the question and explain which method they used to answer it.

(Responses will vary)