**3.7: Relating Fractions, Decimals, and Percents**

**1.** Write each fraction as a decimal and a percent.

**a)** b**)** c**)** **d)** e**)** f**)**



**2.** Ruth’s test scores were: , , and .

Write each test score as a percent.

Order the test scores from greatest to least.



Which was Ruth’s best test? How do you know?



**3.** Write each percent as a fraction and a decimal.

Sketch number lines to show how the numbers are related.

**a)** 18% **b)** 37% **c)** 86% **d)** 99%

**4.** In 5 min, Benjamin completed 27 of 30 multiple-choice questions.   
Madison completed 83% of the questions.   
Who completed more questions?   
How do you know?

**5.** Barney created a design on a grid.  
He coloured of the grid red.  
He coloured 0.375 of the grid green.  
He coloured 40% of the grid blue.  
He coloured the rest of the grid purple.  
What percent of the grid is purple?  
How do you know?

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |