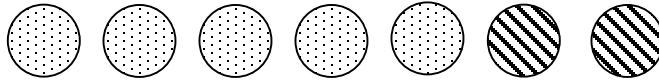


Ratios: N5

Basic Skill:



N5ii

1. What is the ratio of :
a) Dotted to striped
b) All circles to striped

2.

Trail Mix Recipe

1 scoop raisins
3 scoops nuts
2 scoops dried papaya
1 scoop sunflower seeds

N5iv

Write as many ratios as you can for the trail mix recipe. Explain what each ratio compares.

Mid-Range

1. Which statement is true if the ratio of boys to girls is 8:3?

N5v

- a) There are 5 times as many boys as girls.
b) $\frac{3}{8}$ of the children are girls
c) There are three times as many boys as girls.
d) $\frac{3}{11}$ of the children are girls

2. Draw a picture to show a part-to-part ratio of 3:7.
Draw a picture to show a part-to-whole ratio of 3:7.

N5i

3. The zoo has 3 lions, 4 tigers, and 6 monkeys. Express this information as ratios:

N5iii

- a.) in word form
b.) $\square : \square$
c.) \square to \square
d.) as a fraction

N5vi

4. The ratio of children to the total number of people at the movie theatre is 32:57. How many adults are at the theatre?

5. Mark describes the ratio below 3:4 and Mary says he is incorrect, that it is actually 4:7. They come to you and ask for your advice. What would you tell them? Explain your reasoning.

N5v



High Level

1. Zachary's punch recipe calls for 3 L of ginger ale, 1 L of cranberry juice and 2 L of orange juice. Suppose Zachary uses 9 L of ginger ale, how much cranberry juice and orange juice should he use? Justify your answer.

N5vi

2. In a class of 30 students, there are 20 girls. Explain why the ratio of boys to girls is 1:2.

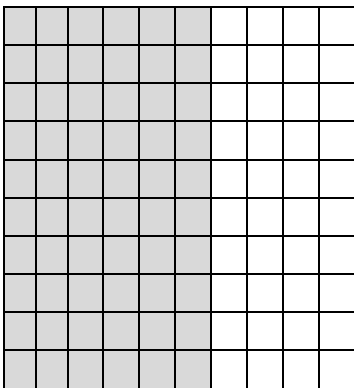
N5vi

Percents, Fractions and Decimals: N6

Basic Skill:

1. What percent is represented by the shaded section in the hundredths grid below?

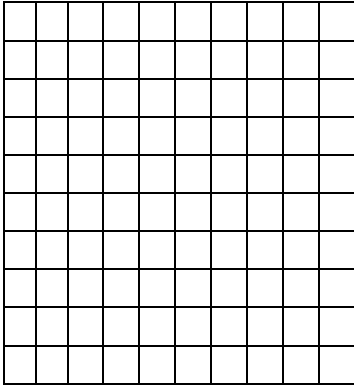
N6iv



___ %

2. Shade the grid to show 43%:

N6iii



3. How many centimeters is 15% of a meter stick?

N6vi

4. Express the following percent as a fraction, a decimal, and as a ratio: **75%**

N6ii/v

Fraction:

Decimal:

Ratio:

Mid-Range

1. Which does not equal 75%?

N6v

a) 75:100

b) 0.75

c) $\frac{7}{5}$

d) $\frac{3}{4}$

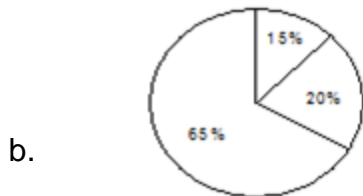
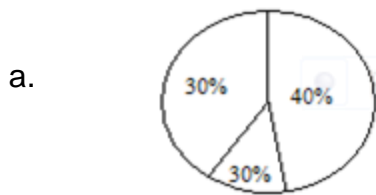
2. Which is the least? The most? Explain your answer:

N6v

$\frac{1}{35}$; 35%; 0,35

3. State whether the following diagrams are correct or incorrect. Explain your thinking.

N6i/iii



High:

1. Which one doesn't belong? Explain your choice:

N6v

$\frac{1}{3}$; 0,3; 30%; 33%

2. On your last Math test you got 70%. How many questions could have been on the test and how many did you get correct? Give two possible solutions.

N6vi/vii

3. Describe different ratio and percent equivalents for the broken eggs in the carton below.

N6iv/vi

