Complete 2 pages (185 - 186) within 6 minutes with > 95% accuracy.

Time Taken:...... Total Score:.....

Example

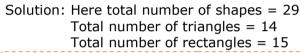
Ratios:

A <u>ratio</u> is a relationship between two units ('a' and 'b'). For every 'a' units of one quantity there are 'b' units of another quantity. A ratio can be expressed as "a to

b" or a:b or $\frac{a}{b}$. Where 'a' and 'b' are the units.

The table shows the different geometric shapes John collected.

- i) Compare the number of triangles with total number of shapes.
- ii) Compare the number of rectangles with total number of shapes.
- iii) Compare the number of triangle with the number of rectangles.



i) The ratio of triangles and shapes is

Total number of shapes $\frac{14}{29}$

ii) The ratio of rectangles and shapes is

Total number of rectangles: $= \frac{13}{29}$

iii) The ratio of triangles to rectangles is

 $\frac{|\text{Total number of triangles}|}{|\text{Total number of}|} = \frac{14}{15}$

Exercise

- In a bag there are 5 red, 7 green, and 9 yellow apples. Write the ratio of each of the following pairs of apples.
 - a) Red apples to total apples
- b) Green apples to yellow apples

- c) Red apple to green apples
- d) Yellow apples to total apples

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Exercise

- 2. A van burns about 450 gallons of fuel 48 hours. About how much does the van burn in 1 hour?
- 3. There are 48 black birds and 62 white birds in a garden. What relationships between the birds do the ratios 48:62, 48:110, and 62:110 compare?
- 4. Pinky earns 77 points in math and 93 points in computer science. Which of the following ratios compares the earned points in math to the total earned points?

a) 77:93

b) 93:77

c) 77:170

d) 93:170

- 5. The table shows the number of students with different eye colors in the sixth grade. Use the table to find the ratio following questions.
 - a) Students with blue eyes to students with brown eyes.

Eye color	No. of students
Brown	19
Black	7
Blue	9
Yellowish	5

- b) Students with yellowish eyes to students with black eyes.
- c) Students with blue or black eyes to total students.