

Rori Assessment: Grades 8-9

Full Name: _____ School: _____

Student ID : _____ Age: _____ Gender: _____ Class: _____ Date: _____

Section 1: Open Response. You must show your thinking in the Rough Work section. You can draw pictures, make tick marks, and try different strategies. Then write your answer in the Final Answer sections.

1.	Add : $5,631 + 286$	Rough Work:	Final Answer:
2.	Subtract : $5.3 - 3.8$	Rough Work:	Final Answer:
3.	Multiply : 15×9	Rough Work:	Final Answer:
4.	Divide : $4 \overline{) 204}$	Rough Work:	Final Answer:
5.	Add : $42.65 + 5.748$	Rough Work:	Final Answer:

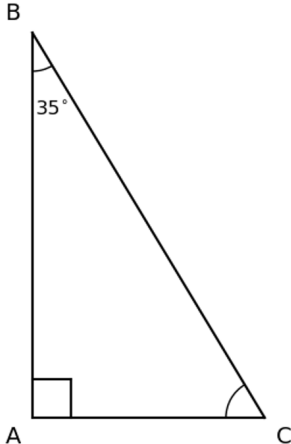
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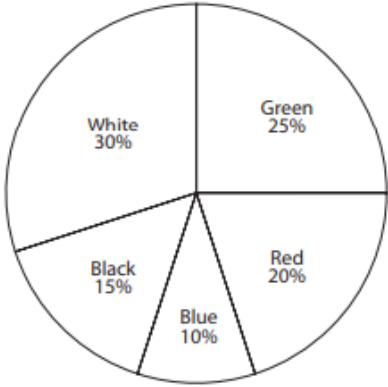
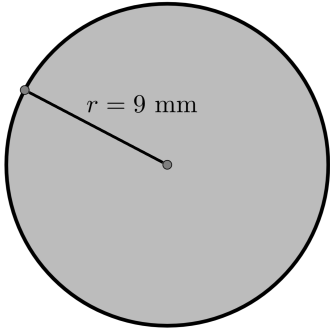
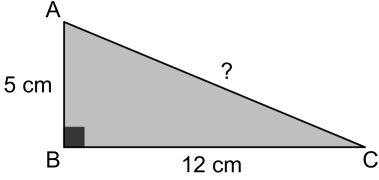
6.	Subtract : $4.722 - 1.935$	Rough Work:	Final Answer:
7.	Multiply : 0.402×0.53	Rough Work:	Final Answer:
8.	Add : $\frac{2}{5} + \frac{5}{4} + \frac{9}{8}$	Rough Work:	Final Answer:
9.	Add : $\frac{4}{100} + \frac{3}{1000}$	Rough Work:	Final Answer:
10.	Divide : $\frac{6}{55} \div \frac{3}{25}$	Rough Work:	Final Answer:

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11.	<p>Simplify the expression :</p> $4(3 + x)$	Rough Work:	Final Answer:
12.	<p>Fill in the blank:</p> $\frac{4}{14} = \frac{\quad}{21}$	Rough Work:	Final Answer:
13.	<p>What is the value of</p> $1 - 5 \times (-2)$	Rough Work:	Final Answer:
14.	<p>What is the next term in this pattern?</p> $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{4}{5}, \frac{5}{6}, \text{ ——— }$	Rough Work:	Final Answer:
15.	<p>Given the following equations :</p> $x + y = 12$ $2x + 5y = 36$ <p>Find x and y.</p>	Rough Work:	Final Answer:

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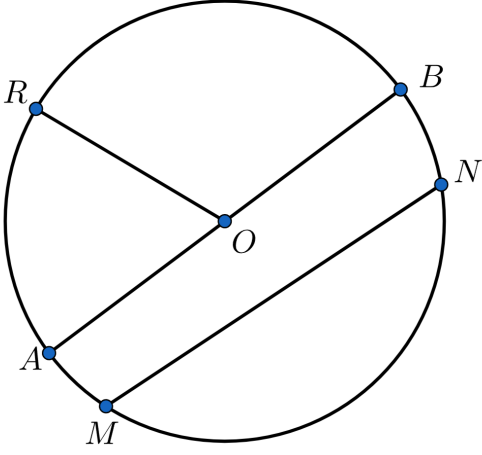
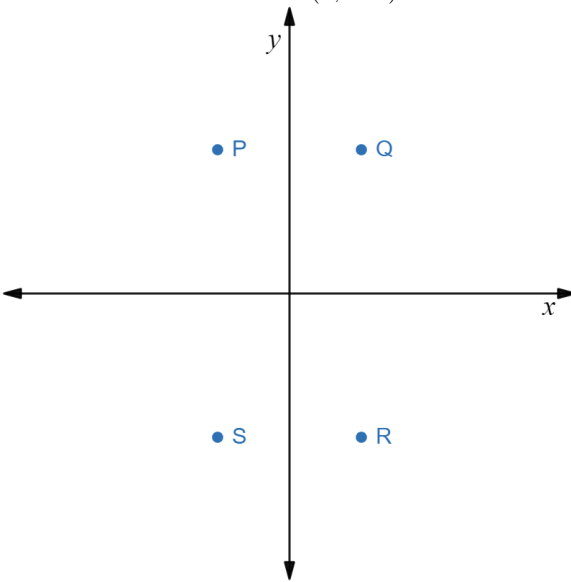
16.	There are 10 red, 8 blue, and 4 white buttons in a bag. What is the probability of taking out either a blue button or a white button?	Rough Work:	Final Answer:
17.	<p>What is the measure of angle C in the triangle above?</p>  <p>The diagram shows a right-angled triangle with vertices labeled A, B, and C. Vertex A is at the bottom-left and has a right-angle symbol. Vertex B is at the top. Vertex C is at the bottom-right. The angle at vertex B is labeled as 35°.</p>	Rough Work:	Final Answer:
18.	<p>Solve for x :</p> $9x - 6 < 4x + 4$	Rough Work:	Final Answer:
19.	A workman cut off $\frac{1}{5}$ of a pipe. The piece he cut off was 3 meters long. How many meters long was the original pipe?	Rough Work:	Final Answer:

20.	<p>The pie chart shows the percentage of hats for sale. If there are 200 hats, what is the total number of hats that are green?</p> 	Rough Work:	Final Answer:
21.	<p>The area of the given circle is _____ mm². (Use $\pi = 3.14$)</p> 	Rough Work:	Final Answer:
22.	<p>In the right triangle ABC, the length of the hypotenuse AC = _____ cm.</p> 	Rough Work:	Final Answer:

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Section 3: Multiple Choice: Circle one answer for each question. If you want to change your answer, put a line through that answer and circle the new one.

23.	There were m boys and n girls in a parade. Each person carried 2 balloons. Which of these expressions represents the total number of balloons that were carried in the parade?	<p>a) $2(m + n)$</p> <p>b) $2 + (m + n)$</p> <p>c) $2m + n$</p> <p>d) $m + 2n$</p>
24.	Joe had three test scores of 78, 76, and 74, while Mary had scores of 72, 82, and 74. How did Joe's mean score compare with Mary's mean score?	<p>a) Joe's was 1 point higher.</p> <p>b) Joe's was 1 point lower.</p> <p>c) Both averages were the same.</p> <p>d) Joe's was 2 points higher.</p>
25.	Convert 0.125 to a fraction.	<p>a) $125/100$</p> <p>b) $125/1,000$</p> <p>c) $125/10,000$</p> <p>d) $125/100,000$</p>

<p>26.</p>	<p>In the figure, the line that does not pass through the centre is _____.</p> 	<p>a) Centre b) Diameter c) Chord d) Radius</p>
<p>27.</p>	<p>In the coordinate plane above, which point could have coordinates $(2, -4)$?</p> 	<p>a) P b) Q c) R d) S</p>