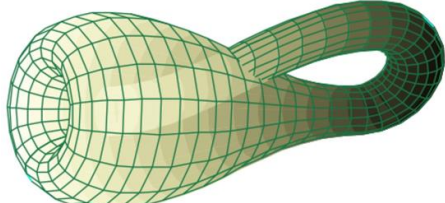
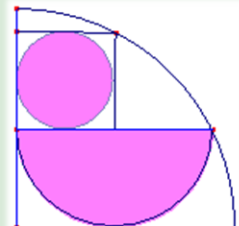
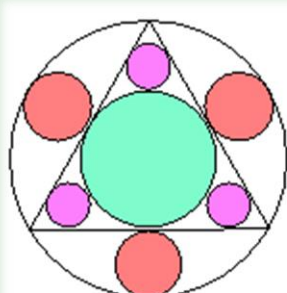
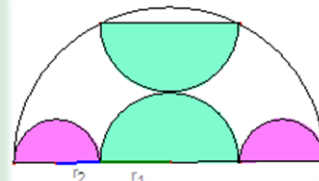
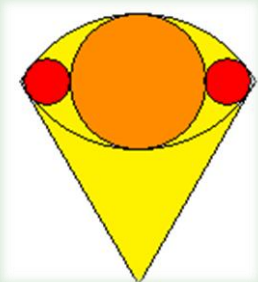
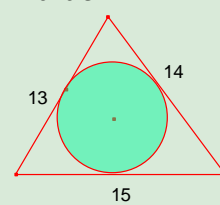
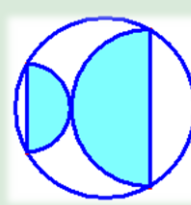
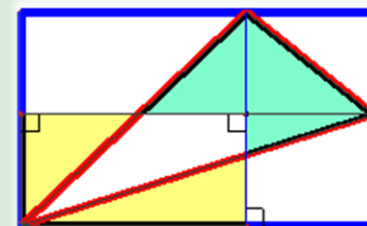


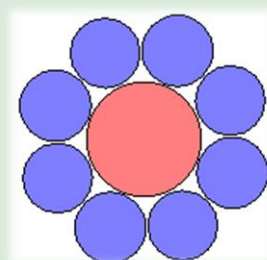
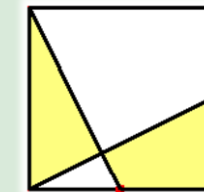
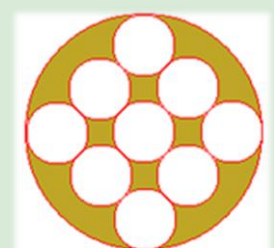
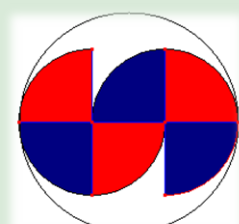
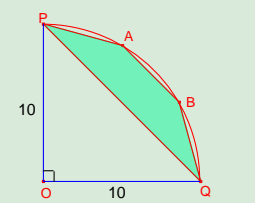
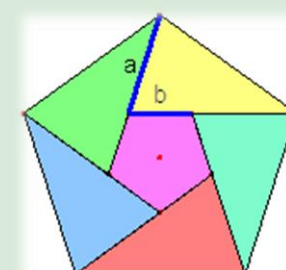
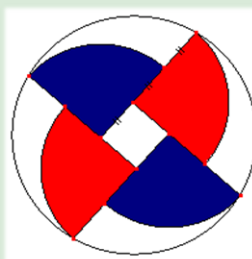
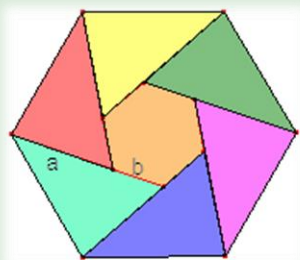
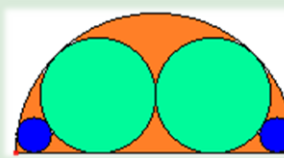


J U N E	MONDAY		TUESDAY	WEDNESDAY		THURSDAY	FRIDAY		SATURDAY	SUN.
				<div>1</div>  <p>Calculate the ratio of the shaded area to the area of the quadrant</p>	<div>2</div> <p>An equilateral triangle has been inscribed on a circle of radius R. Seven circles have been drawn. Find the radius of the circles. <i>Sangaku. Chiba prefecture</i></p>	<div>3</div> 	<div>4</div>  <p>In the figure, calculate: $\frac{r_1}{r_2}$</p>	<div>5</div>		
	<div>6</div> 	<div>7</div> <p>In the figure, the radius of the upper arc is the diameter of the orange circle. Determine the ratio between the radii of the orange and red circles. <i>Sangaku. Tochigi Prefecture</i></p>	<div>8</div> <p>The sides of a triangle are 13,14,15. Find the radius of the inscribed circle.</p> 	<div>9</div> <p>The diameters of the semicircles are parallel. Find the ratio of the shaded area to the area of the circle.</p> 	<div>10</div> <p>The area of the red triangle is one third of the outer blue rectangle. Find the ratio of the area painted green to that painted yellow.</p>	<div>11</div> 	<div>12</div>			
	<div>13</div> <p>The two circles have radius 4. Calculate the radius of the semicircle</p> 	<div>14</div> 	<div>15</div> <p>In the figure, the radius of the semicircle is R = 1. Find the radius of the four types of circumference. <i>Fukushima prefecture</i></p>	<div>16</div> <p>Eight circles are exterior tangents two to two and all are exterior tangents to one another. Calculate the ratio between the radii of the two types of circles and the ratio between the areas of the sum of the blue eight and the red one</p>	<div>17</div> 	<div>18</div> <p>The points marked are the midpoints of the sides of the square. Find the ratio of the areas of the shaded region and the square</p> 	<div>19</div>			
	<div>20</div> 	<div>21</div> <p>Nine equal circles tangent two by two are inside another circle. Find the ratio between the areas of the sum of the nine circumferences and the outer circumference. <i>Shisouka Prefecture</i></p>	<div>22</div>  <p>Calculate the ratio between the area of the shaded area and the area of the outer circle</p>	<div>23</div>  <p>Let the quadrant of radius 10. Let A, B be the points of the arc such that PA = AB = QB. Find the area of the quadrilateral PABQ</p>	<div>24</div> <p>The regular pentagon in the figure has been divided into five triangles and one regular pentagon. All six regions have the same area. Calculates $\frac{a}{b}$</p>	<div>25</div> 	<div>26</div>			
<div>27</div> <p>Calculate the ratio between the area of the shaded area and the area of the outer circle</p> 	<div>28</div> 	<div>29</div> <p>All seven regions in the figure have the same area. Calculate: $\frac{a}{b}$</p>	<div>30</div>  <p>Given the semicircle of radius R, calculate the radii of the other circles.</p>	