

Eksāmens matemātikā 9. klasei 2022

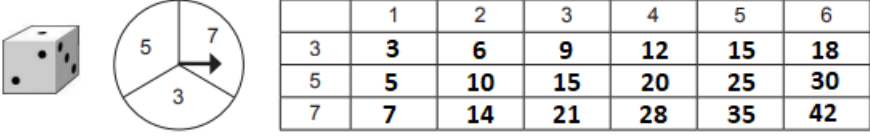
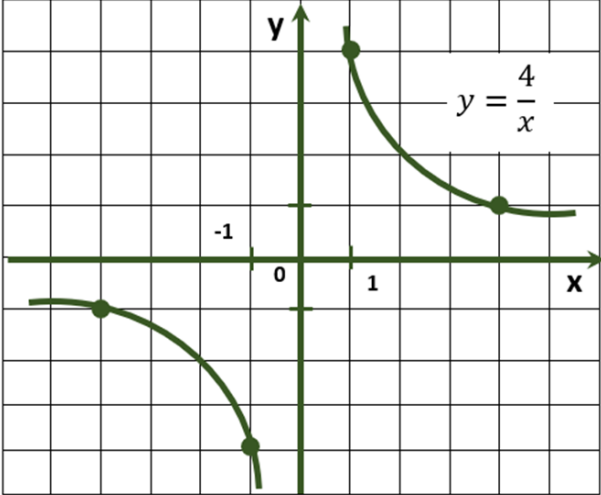
(Atbildes)

1. daļa

1.	Mediāna
2.	Kosinuss
3.	Parabola
4.	Paties
5.	Aplams
6.	Aplams
7.	D
8.	A
9.	A
10.	C
11.	17h15min
12.	6 un 7
13.	$\sqrt{2}$ jeb $\frac{2}{\sqrt{2}}$
14.	-3
15.	$(3 - a)(3 + a)$
16.	$2x^4$
17.	50°C

18.	$7\sqrt{2}$
19.	$R = \frac{S}{\pi l}$
20.	$\frac{81 + a}{5}$
21.	$\frac{1}{2}$
22.	145^0
23.	30^0
24.	$450m^3$
25.	$21cm^2$

2. daļa

1.1.	$(-\infty; 8)$																												
1.2.	$\frac{1}{3}; -2$																												
1.3.	$x \in (-\infty; -2] \cup [\frac{1}{3}; +\infty)$																												
2.	<p>a) 60°</p> <p>b) $\frac{25\sqrt{3}}{2} \text{ cm}^2$</p> <p>c) $AD = 5 \text{ cm}; BD = 5 \text{ cm}$, kas nozīmē: $\triangle ABD$ – vienādsānu</p>																												
3.1.	 <table border="1" style="display: inline-table; vertical-align: middle;"> <thead> <tr> <th></th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> </tr> </thead> <tbody> <tr> <th>3</th> <td>3</td> <td>6</td> <td>9</td> <td>12</td> <td>15</td> <td>18</td> </tr> <tr> <th>5</th> <td>5</td> <td>10</td> <td>15</td> <td>20</td> <td>25</td> <td>30</td> </tr> <tr> <th>7</th> <td>7</td> <td>14</td> <td>21</td> <td>28</td> <td>35</td> <td>42</td> </tr> </tbody> </table>		1	2	3	4	5	6	3	3	6	9	12	15	18	5	5	10	15	20	25	30	7	7	14	21	28	35	42
	1	2	3	4	5	6																							
3	3	6	9	12	15	18																							
5	5	10	15	20	25	30																							
7	7	14	21	28	35	42																							
3.2.	$\frac{5}{18}$																												
3.3.	$\frac{7}{18}$																												
4.	$\begin{cases} x = -3 \\ y = 1 \end{cases}$																												
5.	1,2 minūtēs																												
6.1.	 <p style="text-align: right;">$y > 0$, ja $x \in (0; +\infty)$</p>																												

6.2.		$A_1(-4; -1)$
6.3.		Piemēram, $y = 4$
7.1.	10cm	
7.2.	7cm	
7.3.	1 540cm ³	
8.1.	9	
8.2.	201 kociņi, jo $a_{100} = 3 + 99 \cdot 2$	
8.3.	40. figūras apkārtmērs ir 105cm, jo $105 = 7,5 + (n - 1) \cdot 2,5$	
8.4.	Figūra, kuras apkārtmērs ir 105cm, veidota no 81 kociņa, jo $a_1 = 3; d = 2; n = 40$ un $a_{40} = 3 + 39 \cdot 2$	