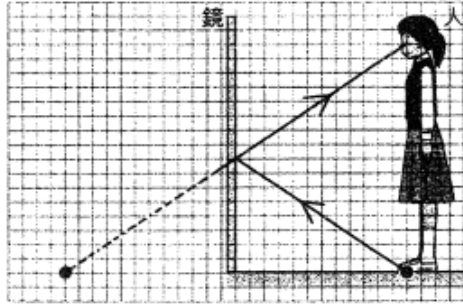
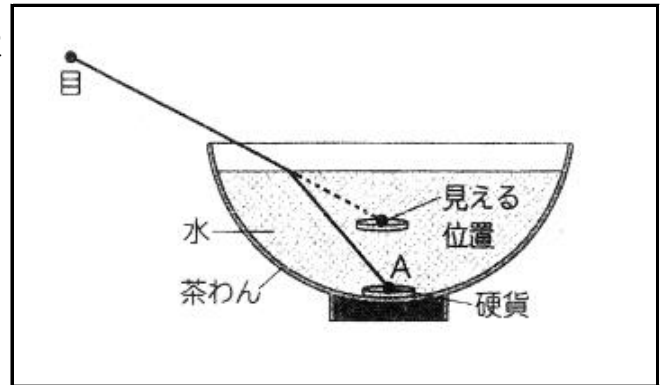


1

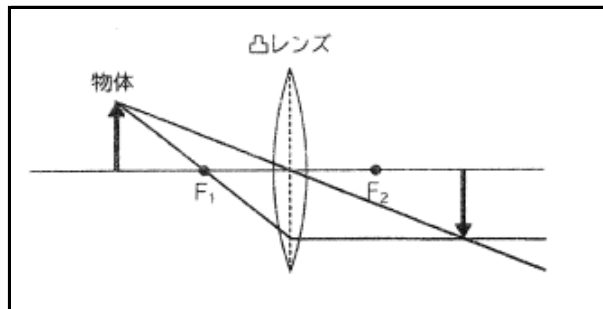
1



2



3



4

1	2	2	2	3	4	4	1
---	---	---	---	---	---	---	---

5

1	音 源	2	波	3	3400	m	4	振 幅
5	15.1	%						

6

1	a と c	2	b	ア	c	ウ	3	125	Hz
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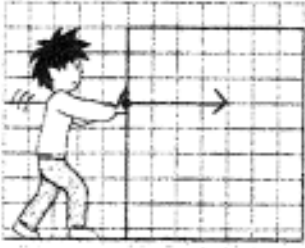

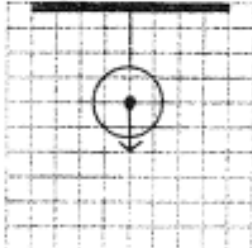
7

1	3
---	---

8

1	5	2	6	3	3	4	2
---	---	---	---	---	---	---	---

9

<p>① 人が物体を4Nの力で水平におす。</p> 	<p>② 人が荷物を3Nの力で持ち上げる。</p> 	<p>③ 質量が200gの小球に重力がはたらいている。</p> 
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10

1	2	3	6	3	1
---	---	---	---	---	---

11

1	3	2	2	3	4
---	---	---	---	---	---

12

1	エ	2	B	3	A	4	ウ
---	---	---	---	---	---	---	---

13

1	3	2	2・3	3	3	4	2
5	1	6	3				

14

1	3		2	3		3	2		4	2		
5	3		6	①	4		②	3		③	2	
④	5		⑤	6								

15

1	2	2	3・5
---	---	---	-----

16

1	1	2	1	3	2	4	4
5	4						

17

1	1	2	4	3	2	4	4
5	5	6	3	7	2	8	3・4

18

1	2	2	2	3	1	4	2
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19

1	状態変化	2	6.1	g			
3	水 600 g : 砂糖 200 g						
4	80	5	175	6	250	cm³	
		g					
7	276	8	12.5	9	水上置換法		
		g					
10	AB と C	理由	集める気体が水に溶けやすいか 溶けにくいかで分類				

得点

100