





1	(1)	①		②	
		③		④	
	(2)				
2	(1)			(5)	
	(2)	個			
	(3)	回			
	(4)	cm <sup>2</sup>			
3	(1)	①	通り	②	
	(2)	①	個		
		②	( ) [理由]		

3	(2)	②		
		[求める過程]		
4	(1)			

4	(1)	答 50円硬貨の枚数 _____ 枚 10円硬貨の枚数 _____ 枚	
	(2)	円	

5	[証明]		

5				
---	--	--	--	--

6	(1)		
	(2)	①	②

7	(1)	cm	
	(2)	cm <sup>2</sup>	
	(3)	cm <sup>3</sup>	

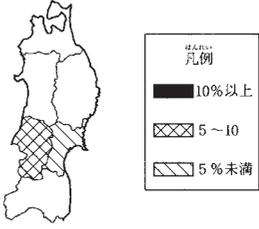
1	放送問題 1	No.1		No.2	
		No.3		No.4	
		No.5			
	放送問題 2	No.1		No.2	
	放送問題 3	①		②	
		③		④	
		⑤			
2	(1)	①		②	
		③			
	(2)	But we still have enough ( _____ ) .			
	(3)	1		2	
		3		4	
3	(1)				
	(2)	Second, _____ .			

4	(1)	①		②	
	(2)				
	(3)				
	(4)				
	(5)	A		B	
5	(1)				
	(3)				
	(5)	①	They gave them to the shops and the restaurants _____		
		_____ .			
	(5)	②	Emi thinks we can do it by _____		
		_____ .			
(6)					

1	(1)	A		B	
	(2)				
	(3)	①		②	
	(4)				
2	(1)				
	(2)	ひだや柔毛があることで,			
	(3)				
	(4)				
	(5)				
3	(1)		(2)		
	(3)		(4)		
	(5)				
4	(1)		(2)		
	(3)		(4)		
	(5)				

5	(1)	→ →		(3)	<p>発生した気体の質量 [g]</p> <p>加えた炭酸水素ナトリウムの質量 [g]</p>	
	(2)					
	(4)					g
	(5)					g
	(3)					
6	(1)					
	(2)					
	(3)	①		②		
	(4)					
7	(1)		(2)	cm		
	(3)		(4)	N		
	(5)					
	(1)					
	(3)	cm/s		(4)		
8	(5)	①				
	(5)	②				

1	(1)		(2)	
	①			
	(3)	②	Pグループに比べ、Qグループは、	
	(4)			
	(5)			
	(6)	符号	国名	
2	(1)	①	②	
	(2)			
	(3)	①	→	→

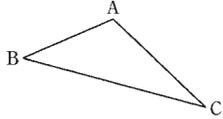
2	(3)	②			
	(4)	①		②	
3	(1)				
	(2)	①	②		
	(3)			(4)	
	(5)			(6)	→ → →
	(7)	①			
	②				

4	(1)	①			
		②	→	→	→
	(2)	①			
		②			
	(3)	①		②	
	(4)				
5	(1)				
	(2)	①			
		②	D	E	
	(3)	F	I		
	(4)				
(5)					

6	(1)			(2)	
	(3)	①		②	
	(4)				
	(5)				





1	(1)	①		②	
		③		④	
	(2)				
2	(1)			(5)	
	(2)				
	(3)				
	(4)	倍			
3	(1)	①	通り	②	
	(2)	①	cm		
		②	( ) [理由]		

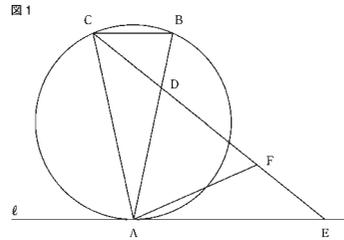
3	(2)	②	
	[求める過程]		
4			

4

答 単品ノートの売れた冊数 \_\_\_\_\_ 冊

単品消しゴムの売れた個数 \_\_\_\_\_ 個

[証明]



5

(1)

5

(1)

(2)

度

6

(1)

(2)

①

②

7

(1)

cm

(2)

①

OR : RM =

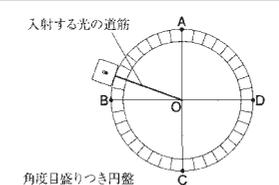
②

cm<sup>3</sup>

1	放送問題 1	No.1		No.2	
		No.3		No.4	
		No.5			
	放送問題 2	①		②	
		③		④	
		⑤			
	放送問題 3	No.1		No.2	
2	(1)	①		②	
		③			
	(2)	I think ( _____ _____ ) very popular among many people.			
	(3)	1		2	
		3		4	
3	(1)				
	(2)				

4	(1)	①		②	
	(2)				
	(3)		→	→	→
	(4)				
	(5)	A		B	
5	(1)			(2)	
	(3)			(4)	
	(5)	①	Julia says they _____ _____ all year round.		
		②	Because she _____ _____.		
	(6)				

1	(1)		(2)	
	(3)		(4)	N
2	(1)	①	②	
	(2)	試験管 A の溶液の色の変化は,		
	(3)			
3	(1)			
	(2)	①	②	
	(3)	①	②	
4	(1)			
	(2)	①	②	
	(3)	①	②	
5	(1)		(2)	
	(3)	①	②	
	(4)	気温の上昇によって,		

6	(1)	→ →			
	(2)				
	(3)	①	②		
	(4)				
7	(1)		(2)		
	(3)	B			
		C			
8	(1)			(2)	度
	(3)	①	②		
9	(1)				
	(2)	力学的エネルギーが,			
	(3)				
	(4)	①	②		

1	(1)		(2)		
	(3)				
	(4)	符号	国名		
	(5)		(6)		
	(7)	日本と比べて、E国は、			
2	(1)		山地	(2)	
	(3)	①		②	m
		③			
	(4)				
	(5)	X		Y	

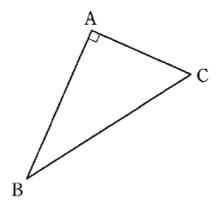
3	(1)		(2)		
	(3)				
	(4)	①			
		②	→	→	→
	(5)				
	(6)				
4	(1)	①	世紀	②	
	(2)				
	(3)	①			
		②	→	→	→
	(4)	①		②	
③					

<b>5</b>	(1)	→      →			
	(2)	X	法		
		Y			
	(3)			(4)	
	(5)				
	(6)				

<b>6</b>	(1)	①		②		
	(2)					
	(3)					
	(4)	①				
		②				
		③				





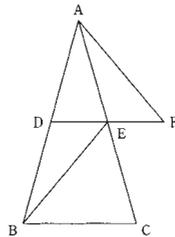
1	(1)	①		②	
		③		④	
	(2)				
2	(1)			(5)	
	(2)				
	(3)				
	(4)	$\text{cm}^2$			
3	(1)	①	人	②	人
	(2)	①	ア	イ	
		②	(            ) [理由]		

3	(2)	②	
4	[求める過程]		

4

答 博物館の入場券を買った生徒の人数 \_\_\_\_\_ 人  
 共通入場券を買った生徒の人数 \_\_\_\_\_ 人

[証明]



5

(1)

5

(1)

(2)  $x : y =$

6

(1)

(2)

①

②

7

(1)

(2)

$\text{cm}^2$

$\text{cm}^3$

②

cm

1	放送問題 1	No.1		No.2	
		No.3		No.4	
		No.5			
	放送問題 2	①		②	
		③		④	
		⑤			
	放送問題 3	No.1		No.2	
2	(1)	①		②	
		③			
	(2)	Do you ( _____ _____ ) now?			
	(3)	1		2	
3			4		
3	(1)				
	(2)				

4	(1)	①		②	
	(2)				
	(3)				
	(4)				
	(5)	A			
B					
5	(1)				
	(2)				
	(3)				
	(4)	→	→	→	(5)
	①	Because he _____ _____ from the viewing platform.			
		②	It's necessary to _____ _____ _____ to make an idea better.		

1	(1)		(2)	
	(3)		(4)	J
2	(1)	①	②	
	(2)		(3)	
	(4)	①	②	
3	(1)			
	(2)	①	②	
	(3)		(4)	
4	(1)		(2)	
	(3)	Zのような前線では、		
	(4)			
	(5)			
5	(1)		(2)	
	(3)		(4)	
	(5)			

6	(1)		(2)	
	(3)			
7	(4)	①	②	
	(1)	①	②	
	(2)		(3)	g
8	(4)			
	(1)	①	②	$\Omega$
	(2)			
9	(3)	①	②	
	(1)			
	(2)		(3)	個

1	(1)	大陸	(2)	
	(3)		(4)	
	(5)			
	(6)			
2	(1)		(2)	
	(3)		(4)	
	(5)			
	(6)	①		
	②			

3	(1)		(2)		
	(3)		(4)		
	(5)	①	→	→	→
		②			
(6)	X				
	Y				
(7)					
4	(1)	①	②		
	(2)	①	→	→	→
		②			
		③			
(3)	①		②		

<b>5</b>	(1)				
	(2)				
	(3)				
	(4)	①			
		②	消費税は、法人税と比較して、		
(5)		(6)			

<b>6</b>	(1)				
	(2)				
	(3)	①			
		②	参議院は、衆議院と異なり、		
(4)	①				
	②	他の3か国と比較すると、			





1	(1)	①		②	
		③		④	
	(2)				
2	(1)			(2)	
	(3)	ア		イ	
	(4)	分後		(5)	cm <sup>3</sup>
3	(1)	①		②	
	(2)	①	分	②	分以上 分未満
		③	( ) [理由]		

3	(2)	③	
	[求める過程]		
4	(1)		

4	(1)		
	答 入口から展望台までの道のり _____ m 展望台からキャンプ場までの道のり _____ m		
	(2)	分後	
5	[証明]		

5				
6	(1)			
	(2)	①	Q (      ,      )	②
7	(1)			cm <sup>2</sup>
	(3)			cm <sup>3</sup>



1	(1)		(2)	hPa
	(3)		(4)	
2	(1)	①	②	
	(2)	①		
		②		
3	(1)		(2)	
	(3)			
	(4)	①	②	
4	(1)	①	②	
	(2)			
	(3)	①	②	
5	(1)		(2)	点
	(3)			
	(4)	地球が,		
	(5)			

6	(1)		g	(2)	
	(3)	$H_2SO_4 + Ba(OH)_2 \rightarrow$			
	(4)		J		
7	(1)		(2)		
	(3)	塩化銅や水酸化ナトリウムは,			
	(4)	①		②	
8	(1)				
	(2)	①		②	
	(3)			(4)	
9	(1)	①			
		②			
	(2)			(3)	
	(4)		→	→	→

1	(1)	度	(2)	
	(3)	①		
		②	どちらの都市も	
	(4)			
	(5)	①		
②		符号	国名	
2	(1)			
	(2)	①	②	m <sup>2</sup>
	(3)			
	(4)			
	(5)			

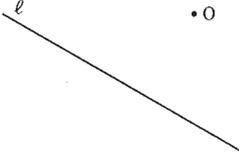
2	(6)	北海道を訪れた海外からの観光客は、		
3	(1)			
	(2)			
	(3)			
	(4)			
	(5)	ほとんどの政党が		
	(6)	→	→	→
	(7)			

<b>4</b>	(1)	①			
		②			
	(2)		(3)		
	(4)				
	(5)	→	→	→	
	(6)	明治政府は,			
<b>5</b>	(1)				
	(2)				
	(3)				
	(4)				
	(5)				

<b>5</b>	(6)					
	(7)					
<b>6</b>	(1)					
	(2)	X		Y		
	(3)					
	(4)	①				
	(5)	②				

四						三			二		一			
6	5	4	3	2	1	3		1	3	1	2	1		
	(1)				A	(2)	(1)		(1)			(3)	(1)	
魔法をかけられたように						B		2		2		(4)		(2)
70	20	30							4			れ		
	(2)								(2)			(2)		
						B		2				(2)		
												ねない		



1	①		②		
	(1)		③	④	
	(2)				
2	(1)		円	(6)	
	(2)	$x =$	$, y =$		
	(3)		cm		
	(4)		度		
	(5)				
					
3	(1)	①	通り	②	
	(2)	①			
		②	( )	[理由]	

3	(2)	②	
4	(1)	[求める過程]	

4	(1)		
		答 $x =$ _____	
	(2)	cm	

[証明]

5			

6	(1)		
	(2)	①	PQ : QR =

7	(1)	cm		
	(2)	①	cm	②

1	放送 問題 1	No.1		No.2	
		No.3		No.4	
		No.5			
	放送 問題 2	①		②	
		③		④	
		⑤			
	放送 問題 3	①		②	
2	(1)	①		②	
		③			
	(2)	Well, ( _____ ) is Japan.			
(3)					
3	(1)				
	(2)				

4	(1)				
	(2)	①		②	
	(3)				
	(4)				
	(5)	①	For _____.		
②		She tells him to _____ _____ _____ with them.			
5	(1)				
	(2)				
	(3)		(4)	→	→
	(5)				
	(6)	A			
B					

1	(1)		(2)	
	(3)		(4)	
2	(1)	①	②	
		③		
	(2)		(3)	
3	(1)		(2)	
	(3)	血液が,		
	(4)	①	②	
4	(1)	①	②	
	(2)		(3)	
5	(1)	①	②	
	(2)			
	(3)	①	②	km

6	(1)			
	(2)	吸い上げられた液体が,		
	(3)	①	②	
	(4)			
7	(1)			
	(2)	①		
		②	銅：マグネシウム＝	
	(3)			
8	(1)	①	②	度
	(2)	①	②	
9	(1)	①	②	
	(2)			
	(3)	①	J	② N

<b>1</b>	(1)	①		②		
		③		④		
	(2)					
	(3)	C国の輸出は、				
	(4)					
<b>2</b>	(1)					
	(2)					
	(3)		(4)			
	(5)					
	(6)	①		②		

<b>3</b>	(1)					
	(2)	→	→	→		
	(3)					
	(4)					
	(5)			(6)		
	(7)					

<b>4</b>	(1)		
	(2)		
	(3)		
	(4)		
	(5)		
	(6)		
<b>5</b>	(1)		
	(2)		
	(3)		
	(4)		
	(5)		(6)

<b>6</b>	(1)			
	(2)			
	(3)			
	(4)		(5)	
	(6)	①		
		②		