



Private Education Expenditures Survey of Elementary, Middle and High School Students in 2018

The total private education expenditures of elementary, middle and high school students marked 19.5 trillion won in 2018, which rose by 4.4% from 2017. The private education participation rate stood at 72.8% in 2018, up 1.7%p from 2017. The weekly participation hours recorded 6.2 hours per student in 2018, which grew by 0.1 hour from 2017.

- The total private education expenditures increased by 0.8 trillion won (4.4%) from 18.7 trillion won in 2017 to 19.5 trillion won in 2018.
- Compared to 2017, the total number of students recorded a decrease (2.5%), while the private education participation rate and the weekly participation hours recorded an increase.

[Total private education expenditures and total number of students]

Classification	2017	2018	Percent change
Private education expenditures (trillion won, %)	18.7	19.5	4.4
Number of students (10,000 persons, %)	573	558	- 2.5

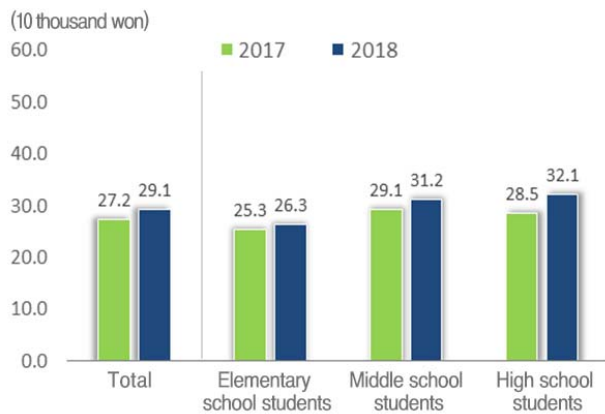
[Private education participation rate and participation hours]

Classification	2017	2018	Change
Participation rate (% , %p)	71.2	72.8	1.7
Participation hours (hour)	6.1	6.2	0.1

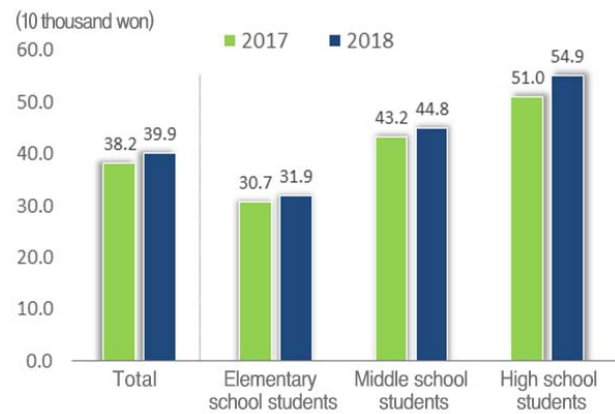
The average monthly private education expenditures per student marked 291 thousand won in 2018. The average monthly private education expenditures per participation student marked 399 thousand won in 2018.

- The average monthly private education expenditures per student recorded 291 thousand won in 2018, which rose by 19 thousand won (7.0%) from 272 thousand won in 2017.
- The average monthly private education expenditures per elementary school student recorded 263 thousand won (3.7%↑, 10 thousand won). The average monthly private education expenditures per middle school student recorded 312 thousand won (7.1%↑, 21 thousand won). The average monthly private education expenditures per high school student recorded 321 thousand won (12.8%↑, 36 thousand won).
- The average monthly private education expenditures per participation student recorded 399 thousand won in 2018, which rose by 17 thousand won (4.6%) from 382 thousand won in 2017.

[Average monthly private education expenditures per student]



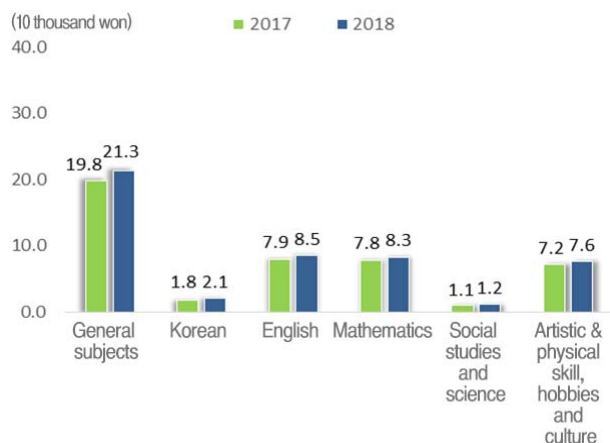
[Average monthly private education expenditures per participation student]



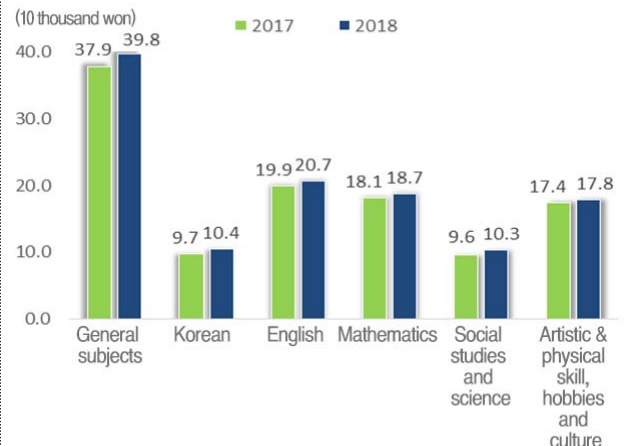
The average monthly private education expenditures on general subjects amounted to 213 thousand won per student in 2018, up 7.6% from 2017. The average monthly private education expenditures on general subjects amounted to 398 thousand won per participation student in 2018, up 5.1% from 2017.

- The average monthly private education expenditures per student on Korean increased by 2 thousand won (12.9%) to 21 thousand won in 2018. The average monthly private education expenditures per student on English increased by 6 thousand won (7.2%) to 85 thousand won in 2018. The average monthly private education expenditures per student on mathematics increased by 4 thousand won (5.5%) to 83 thousand won in 2018.
- The average monthly private education expenditures per participation student on Korean increased by 7 thousand won (7.7%) to 104 thousand won in 2018. The average monthly private education expenditures per participation student on English increased by 8 thousand won (4.2%) to 207 thousand won in 2018. The average monthly private education expenditures per participation student on mathematics increased by 6 thousand won (3.3%) to 187 thousand won in 2018.

[Average monthly private education expenditures per student]



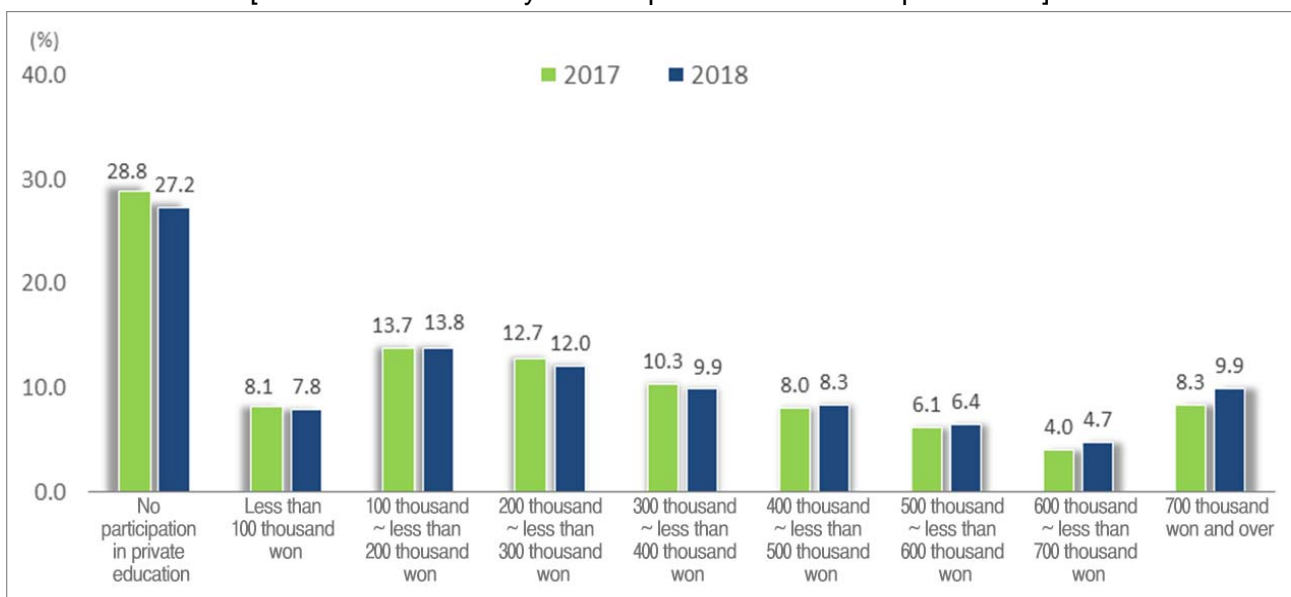
[Average monthly private education expenditures per participation student]



As for the average monthly private education expenditures, the share of students spending 700 thousand won or more showed the highest increase (1.6%p↑), which was followed by those spending 600 thousand won ~ less than 700 thousand won (0.6%p↑).

- As for the average monthly private education expenditures, the share of students spending 400 thousand won and over showed a year-on-year increase. Whereas, the share of students spending 'Less than 100 thousand won', '200 thousand ~ less than 300 thousand won' and '300 thousand ~ less than 400 thousand won' showed a year-on-year decrease.

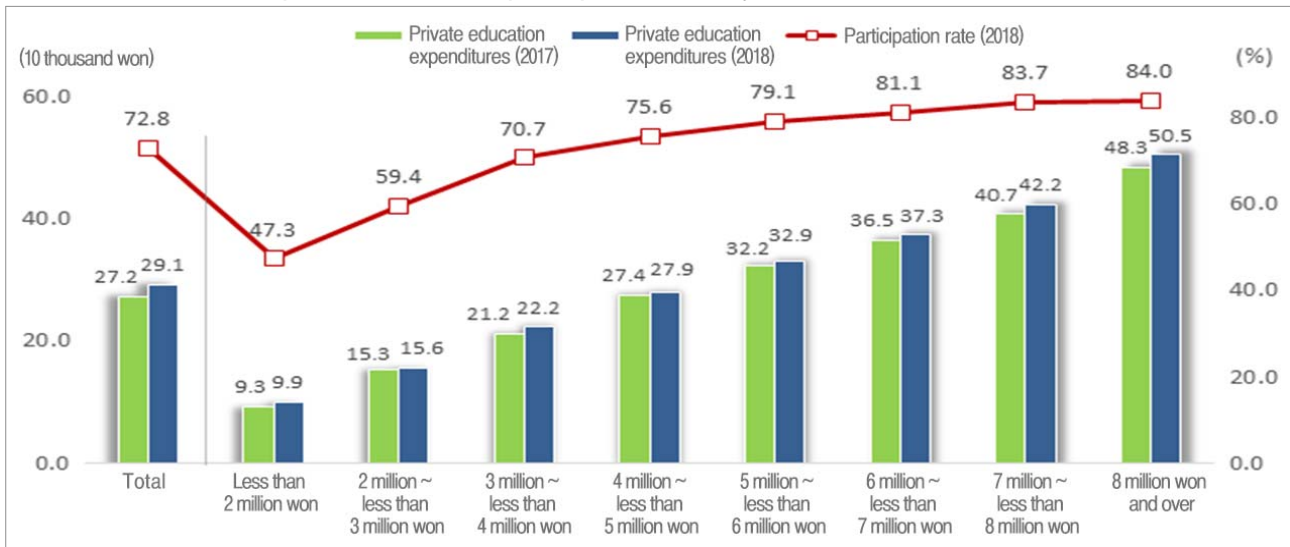
[Share of students by size of private education expenditures]



The higher household income level, the higher education expenditures and participation

- The average monthly expenditures for households earning 8 million won and over marked the highest figure of 505 thousand won per student. The average monthly expenditures for households earning less than 2 million won marked 99 thousand won per student.
- The participation rate of households earning 8 million won and over marked the highest figure at 84.0%. The participation rate of households earning less than 2 million won marked the lowest figure at 47.3%.

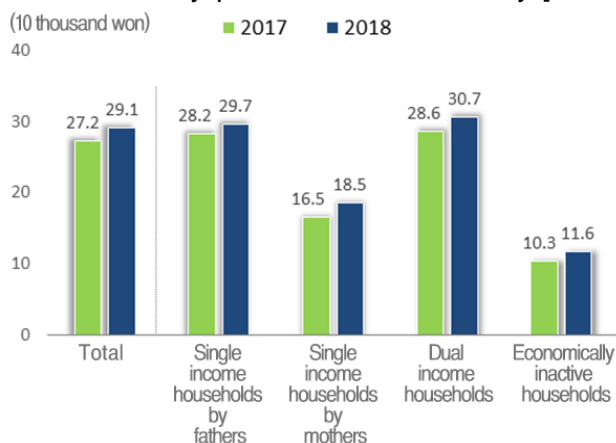
[Average monthly private education expenditures per student and private education participation rate by household income]



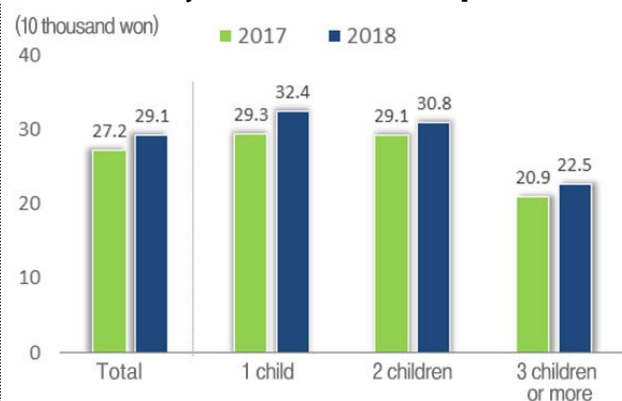
'Dual income households' recorded the highest private education expenditures. The smaller number of children, the higher private education expenditures

- The average monthly expenditures of 'Dual income households' recorded the highest figure of 307 thousand won per student, which was followed by 'Single income households by fathers' (297 thousand won) and 'Single income households by mothers' (185 thousand won).
- The average monthly expenditures of households with 1 child showed the highest figure of 324 thousand won per student, which was followed by households with 2 children (308 thousand won) and households with 3 children or more (225 thousand won).

[Average monthly private education expenditures per student by parents' economic activity]



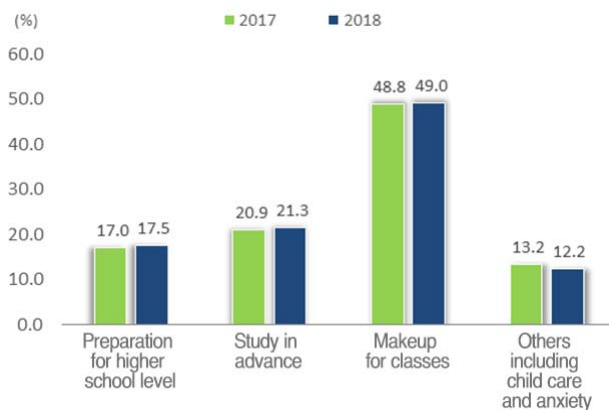
[Average monthly private education expenditures by number of children]



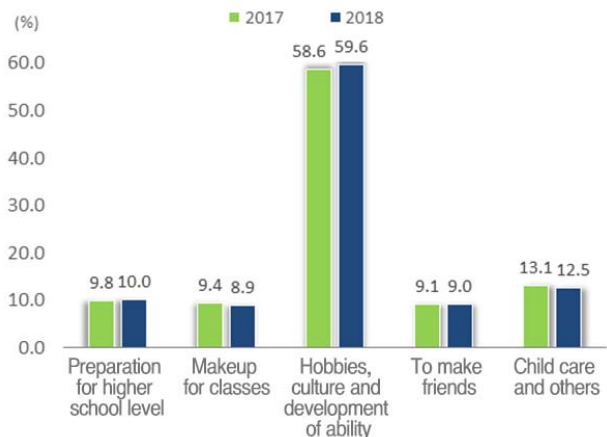
As for private education of general subjects by purpose, 'Preparation for higher school level', 'Study in advance' and 'Makeup for classes' showed an increase. As for private education of artistic and physical skills, 'Hobbies, culture and development of ability' and 'Preparation for higher school level' showed an increase.

- As for purposes of general subjects, 'Makeup for classes' occupied the highest share at 49.0% (0.2%p↑), which was followed by 'Study in advance' (21.3%, 0.3%p↑) and 'Preparation for higher school level' (17.5%, 0.5%p↑).
- As for purposes of artistic and physical skills, 'Hobbies, culture and development of ability' occupied the highest share at 59.6% (1.0%p↑), which was followed by 'Child care and others' (12.5%, 0.6%p↓) and 'Preparation for higher school level' (10.0%, 0.2%p↑).

[Private education of general subjects by purpose]



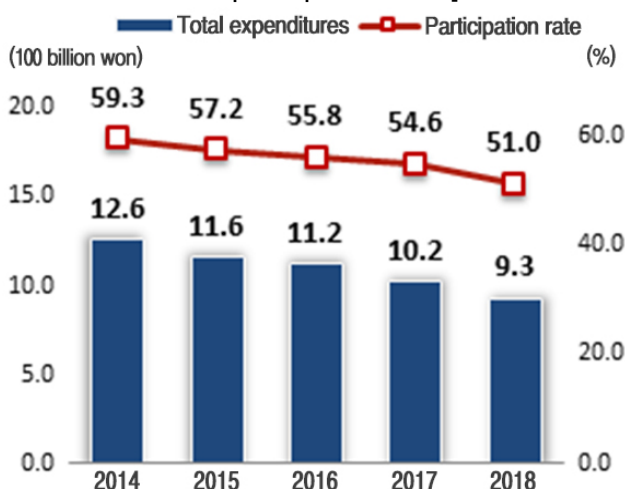
[Private education of artistic & physical skills, hobbies and culture by purpose]



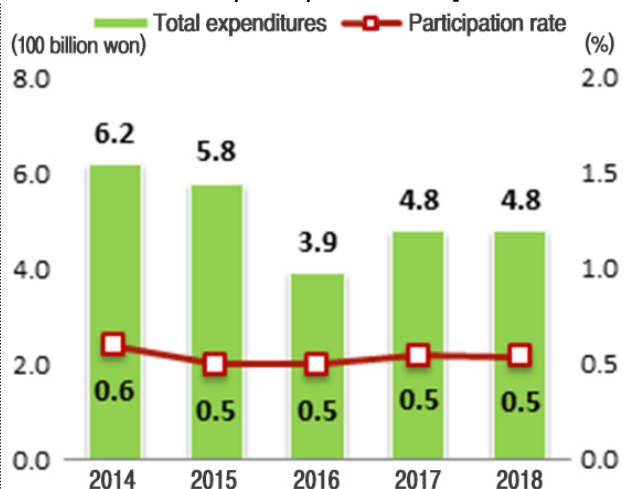
The after-school program participation rate stood at 51.0%. The language course participation rate stood at 0.5%.

- The expenditures on paid and free after-school programs totaled 930 billion won, decreasing by 9.0% from 2017. The after-school program participation rate recorded 51.0%, down 3.7%p from 2017.
- The expenditures on language course totaled 480 billion won, increasing by 3 billion won (0.7%↑) from 2017. The language course participation rate recorded 0.5%, remaining the same as 2017.

[Total expenditures on after-school programs and participation rate]



[Total expenditures on language courses and participation rate]



I . Results of the Private Education Expenditures Survey

1. Total private education expenditures

The total private education expenditures of elementary, middle and high school students recorded 19.5 trillion won in 2018.

- The total private education expenditures of elementary, middle and high school students recorded 19.5 trillion won in 2018, which grew by 4.4% from 18.7 trillion won in 2017.
- The private education expenditures of elementary, middle and high school students amounted to 8.6 trillion won, 5 trillion won and 5.9 trillion won in 2018, respectively.
- Compared to the previous year, the private education expenditures of elementary, middle and high school students grew by 5.2%, 3.5% and 3.9%, respectively.

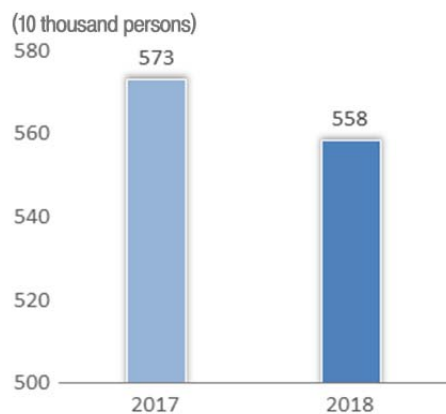
【 Private education expenditures 】

(Unit: 100 million won, %)

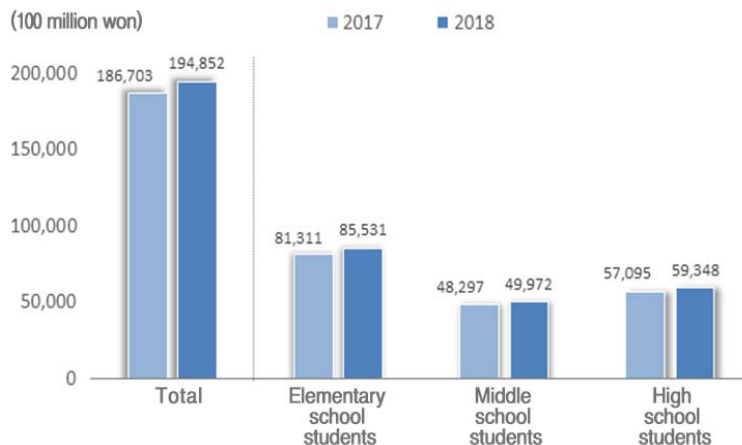
Classification	2017*	2018	Percent change from the previous year
Total	186,703	194,852	4.4
Elementary school	81,311	85,531	5.2
Middle school	48,297	49,972	3.5
High school	57,095	59,348	3.9

* Data for 2017 were retrospectively revised by reflecting expenditures on consulting for career or higher education.

< Number of students >



< Private education expenditures >



2. Average monthly private education expenditures per student, participation rate and participation hours

The average monthly private education expenditures per student recorded 291 thousand won in 2018. The private education participation rate stood at 72.8% in 2018. The average monthly private education expenditures per participation student recorded 399 thousand won in 2018.

- The average monthly private education expenditures per student recorded 291 thousand won in 2018, which rose by 19 thousand won (7.0%) from 272 thousand won in 2017.
- The average monthly expenditures per high school student marked the highest figure (321 thousand won), which was followed by middle school students (312 thousand won) and elementary school students (263 thousand won). The higher school level, the higher private education expenditures.
- Compared to 2017, the average monthly expenditures per elementary, middle and high school student increased by 3.7%, 7.1% and 12.8%, respectively.

【 Average monthly private education expenditures per student 】

(Unit: 10 thousand won, %)

Classification	2017	2018	Percent change from the previous year
Total	27.2	29.1	7.0
Elementary school	25.3	26.3	3.7
Middle school	29.1	31.2	7.1
High school	28.5	32.1	12.8

- The average monthly private education expenditures per participation student recorded 399 thousand won in 2018, which grew by 17 thousand won (4.6%) from 382 thousand won in 2017.
- The average monthly expenditures per high school student recorded the highest figure of 549 thousand won, which was followed by middle school students (448 thousand won) and elementary school students (319 thousand won).
- Compared to 2017, the average monthly expenditures per elementary, middle and high school student grew by 3.9%, 3.7% and 7.7%, respectively.

【 Average monthly private education expenditures per participation student 】

(Unit: 10 thousand won, %)

Classification	2017	2018	Percent change from the previous year
Total	38.2	39.9	4.6
Elementary school	30.7	31.9	3.9
Middle school	43.2	44.8	3.7
High school	51.0	54.9	7.7

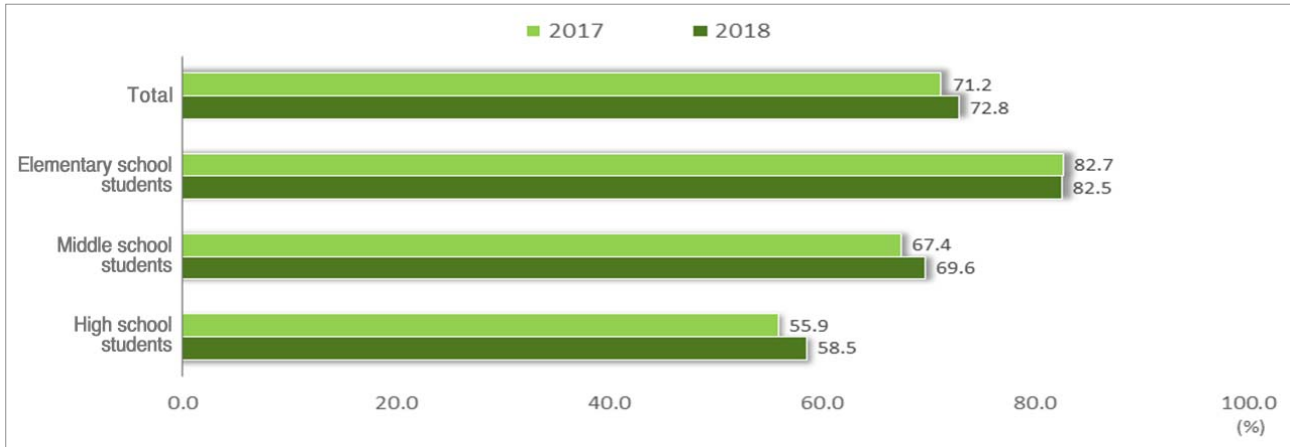
- The private education participation rate stood at 72.8%, up 1.7%p from 2017.
- The participation rate of elementary school students recorded the highest figure. The higher school level, the lower participation rate.
- Elementary school: 82.5% → Middle school: 69.6% → High school: 58.5%
- Compared to 2017, the participation rate of middle and high school students went up by 2.2%p and 2.6%p, respectively. Whereas, the participation rate of elementary school students went down by 0.1%p.

【 Private education participation rate 】

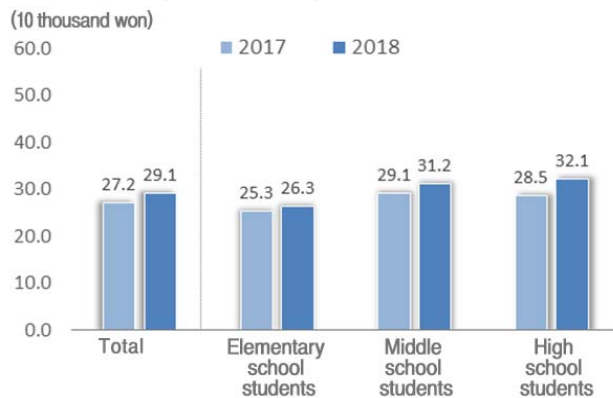
(Unit: %, %p)

Classification	2017	2018	Change from the previous year
Total	71.2	72.8	1.7
Elementary school	82.7	82.5	- 0.1
Middle school	67.4	69.6	2.2
High school	55.9	58.5	2.6

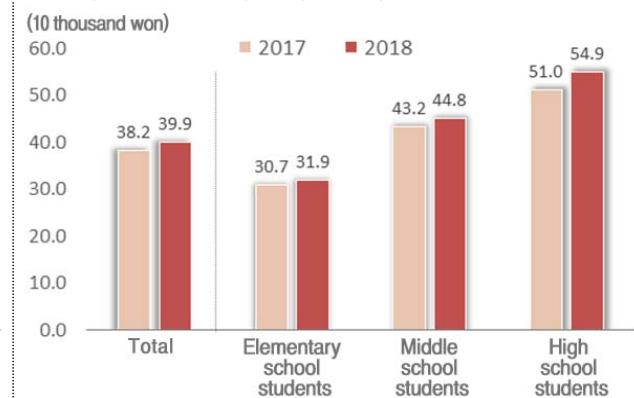
< Private education participation rate >



< Average monthly private education expenditures per student >



< Average monthly private education expenditures per participation student >



The weekly participation hours recorded 6.2 hours per student in 2018.

- ☐ The weekly participation hours recorded 6.2 hours per student, which grew by 0.1 hour from the previous year.
- ☐ The weekly participation hours of elementary, middle and high school students recorded 6.5 hours, 6.5 hours and 5.3 hours, respectively.
- ☐ Compared to 2017, the weekly participation hours of middle and high school students grew by 0.2 hour and 0.4 hour, respectively. Whereas, the weekly participation hours of elementary school students declined by 0.2 hour.

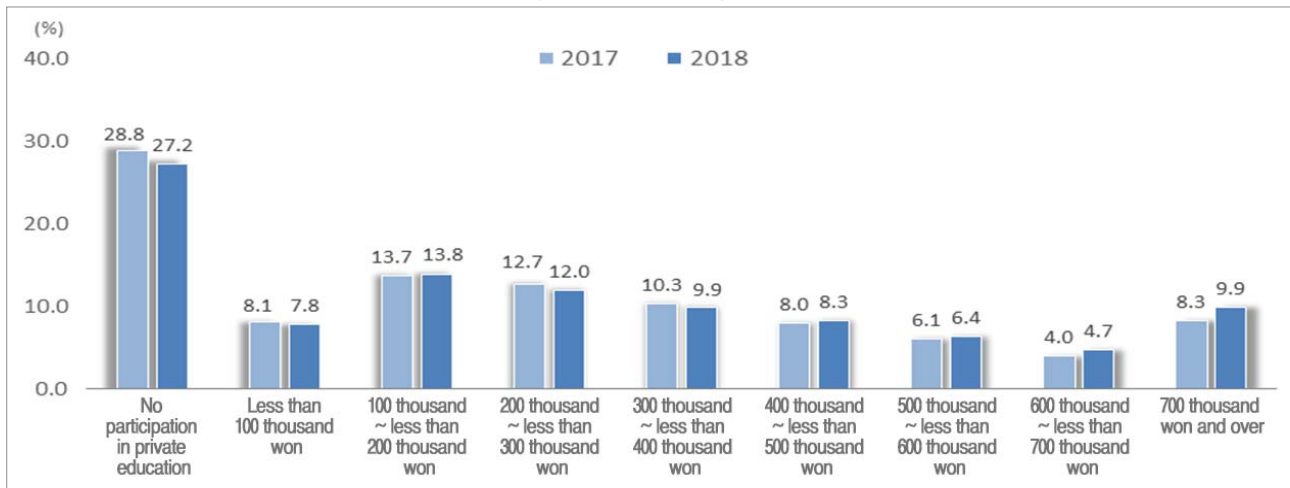
【 Participation hours per week 】

(Unit: hour)

Classification	2017	2018	Change from the previous year
Total	6.1	6.2	0.1
Elementary school	6.7	6.5	- 0.2
Middle school	6.4	6.5	0.2
High school	4.9	5.3	0.4

* Don't include hours for consulting for career or higher education

< Participation hours per week >



3. Private education expenditures by subject

The average monthly private education expenditures on general subjects amounted to 213 thousand won per student in 2018. The average monthly private education expenditures on general subjects amounted to 398 thousand won per participation student in 2018.

- ☐ The average monthly private education expenditures on general subjects increased by 7.6% to 213 thousand won per student in 2018. The average monthly private education expenditures on artistic & physical skills, hobbies and culture increased by 5.8% to 76 thousand won per student in 2018.
- ☐ Compared to 2017, the private education expenditures of Korean, English, mathematics and 'Social studies and science' rose by 12.9%, 7.2%, 5.5% and 7.0%, respectively.
- ☐ The average monthly private education expenditures on general subjects increased by 5.1% to 398 thousand won per participation student in 2018. The average monthly private education expenditures on artistic & physical skills, hobbies and culture increased by 2.3% to 178 thousand won per participation student in 2018.
- ☐ Compared to 2017, the private education expenditures of Korean, English, mathematics and 'Social studies and science' rose by 7.7%, 4.2%, 3.3% and 7.0%, respectively.

【 Average monthly private education expenditures per student by subject 】

(Unit: 10 thousand won, %)

Classification	Total students						
	Total	General subjects	Korean	English	Mathematics	Social studies and science	Artistic & physical skills, hobbies and culture
2017	27.2	19.8	1.8	7.9	7.8	1.1	7.2
2018	29.1	21.3	2.1	8.5	8.3	1.2	7.6
Year-on-year	7.0	7.6	12.9	7.2	5.5	7.0	5.8
Elementary school	26.3	15.5	1.5	7.0	4.5	0.8	10.8
Middle school	31.2	27.4	1.6	11.2	12.0	1.5	3.7
High school	32.1	26.2	3.5	8.7	11.8	1.5	5.2

Classification	Participation students						
	Total	General subjects	Korean	English	Mathematics	Social studies and science	Artistic & physical skills, hobbies and culture
2017	38.2	37.9	9.7	19.9	18.1	9.6	17.4
2018	39.9	39.8	10.4	20.7	18.7	10.3	17.8
Year-on-year	4.6	5.1	7.7	4.2	3.3	7.0	2.3
Elementary school	31.9	28.1	5.9	17.3	10.4	6.3	16.2
Middle school	44.8	46.2	11.3	21.8	22.1	11.4	15.1
High school	54.9	57.6	21.9	26.7	31.0	20.2	33.1

- The participation rate of consulting for career or higher education marked 3.6%. The annual average number of consultations stood at 2.6 times per participation student. The annual average expenditures on consultation recorded 118 thousand won per consultation.

【 Expenditures and participation rate of consulting for career or higher education by school level 】

(Unit: %p, times, %)

Classification	2017	2018	Year-on-year (percent) change	Elementary school	Middle school	High school
Participation rate (%)	3.0	3.6	0.6	2.9	3.7	4.7
Annual average number of consultations per participation student (times)	2.5	2.6	0.1	2.5	2.3	2.9
Annual average expenditures per consultation (10 thousand won)	11.1	11.8	6.3	8.5	10.9	15.2

4. Private education expenditures by type

As for general subjects, the average monthly expenditures per student on 'Taking lessons at private academic institutes' recorded the highest figure, which was followed by 'One-on-one tutoring', 'Group tutoring' and 'Textbooks with tutor's visit'. The average monthly expenditures per participation student on 'Taking lessons at private academic institutes' recorded the highest figure, which was followed by 'One-on-one tutoring', 'Group tutoring' and 'Internet and correspondence lectures'.

- As for general subjects, the average monthly expenditures on 'Taking lessons at private academic institutes' recorded the highest figure of 143 thousand won per student, which was followed by 'One-on-one tutoring' (30 thousand won), 'Group tutoring' (22 thousand won) and 'Textbooks with tutor's visit' (12 thousand won).
- Compared to 2017, the expenditures on 'One-on-one tutoring', 'Group tutoring', 'Taking lessons at private academic institutes' and 'Textbooks with tutor's visit' grew by 7.3%, 4.0%, 7.9% and 4.1%, respectively.
- As for general subjects, the average monthly expenditures on 'Taking lessons at private academic institutes' recorded the highest figure of 385 thousand won per participation student, which was followed by 'One-on-one tutoring' (328 thousand won), 'Group tutoring' (235 thousand won) and 'Textbooks with tutor's visit' (97 thousand won).

【 Average monthly private education expenditures per student by type 】

(Unit: 10 thousand won, %)

Classification	2017	2018	Percent change from the previous year	Elementary school	Middle school	High school
Total	27.2	29.1	7.0	26.3	31.2	32.1
- General subjects	19.8	21.3	7.6	15.5	27.4	26.2
One-on-one tutoring	2.8	3.0	7.3	1.4	3.7	5.2
Group tutoring	2.1	2.2	4.0	1.8	2.8	2.4
Taking lessons at private academic institutes	13.2	14.3	7.9	9.3	20.0	18.1
Textbooks with tutor's visit	1.1	1.2	4.1	2.2	0.5	0.1
Internet and correspondence lectures	0.5	0.6	25.4	0.7	0.4	0.4
- Artistic & physical skills, hobbies and culture	7.2	7.6	5.8	10.8	3.7	5.2
One-on-one tutoring	1.2	1.2	3.1	1.3	0.8	1.5
Group tutoring	0.5	0.6	9.2	0.9	0.5	0.2
Taking lessons at private academic institutes	5.0	5.4	7.6	8.0	2.3	3.5
Tutor's visit, etc.	0.4	0.4	- 13.7	0.6	0.2	0.1

【 Average monthly private education expenditures per participation student by type 】

(Unit: 10 thousand won, %)

Classification	2017	2018	Percent change from the previous year	Elementary school	Middle school	High school
Total	38.2	39.9	4.6	31.9	44.8	54.9
- General subjects	37.9	39.8	5.1	28.1	46.2	57.6
One-on-one tutoring	32.3	32.8	1.4	20.3	33.4	45.8
Group tutoring	22.8	23.5	2.9	16.9	26.9	37.6
Taking lessons at private academic institutes	36.4	38.5	5.7	28.3	41.7	51.4
Textbooks with tutor's visit	9.2	9.2	0.3	9.4	8.3	8.4
Internet and correspondence lectures	8.9	9.7	9.4	9.1	11.2	10.4
- Artistic & physical skills, hobbies and culture	17.4	17.8	2.3	16.2	15.1	33.1
One-on-one tutoring	20.3	18.9	- 7.1	14.5	17.4	38.6
Group tutoring	11.2	11.8	5.2	11.0	12.3	20.6
Taking lessons at private academic institutes	16.0	16.7	4.1	15.1	14.8	33.4
Tutor's visit, etc.	7.0	6.3	- 10.1	6.1	7.1	7.2

5. Average monthly private education expenditures by size

The share of students spending 700 thousand won and over per month on private education showed the highest increase of 1.6%p. The share of students spending 600 thousand won ~ less than 700 thousand won per month on private education went up by 0.6%p.

- As for the average monthly private education expenditures, students spending 100 thousand ~ less than 200 thousand won occupied the highest share at 13.8%, which was followed by '200 thousand ~ less than 300 thousand won' (12.0%), '300 thousand ~ less than 400 thousand won' (9.9%) and '700 thousand won and over' (9.9%).
- As for the average monthly private education expenditures by region, Seoul showed the highest share of students spending 700 thousand won and over. The other regions showed the highest share of students spending 100 thousand ~ less than 200 thousand won.
- The share of students spending 700 thousand won or more showed the highest increase (1.6%p), which was followed by those spending 600 thousand won ~ less than 700 thousand won (0.6%p), those spending 400 thousand won ~ less than 500 thousand won (0.3%p) and those spending 500 thousand won ~ less than 600 thousand won (0.3%p).

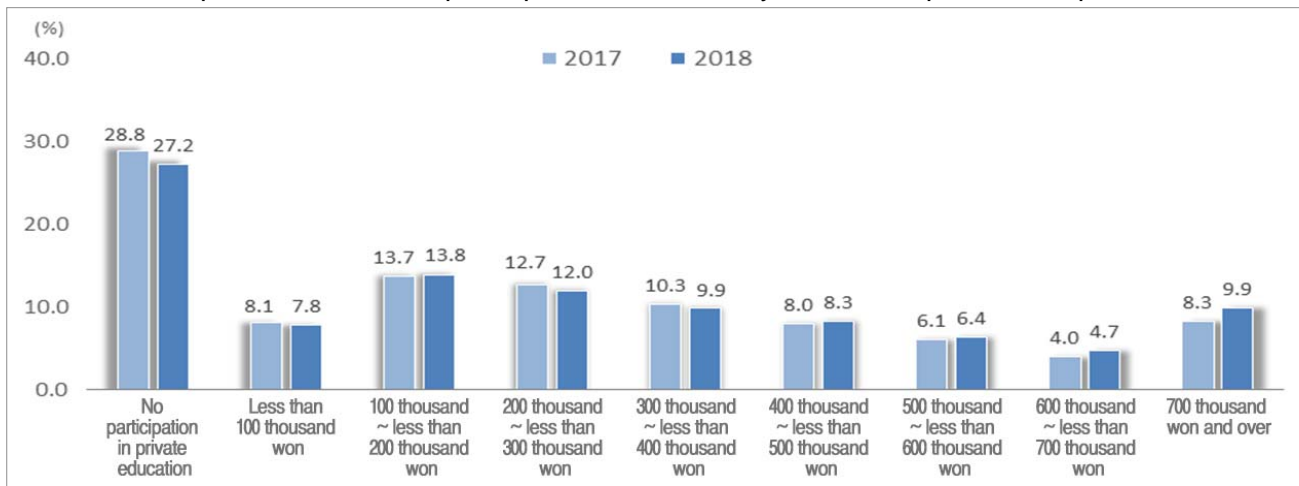
【 Share of private education participation students by size of expenditures per student 】

(Unit: %, %p)

Classification		Total	No participation in private education	Less than 100 thousand won	100 thousand ~ less than 200 thousand won	200 thousand ~ less than 300 thousand won
Total	2017	100.0	28.8	8.1	13.7	12.7
	2018	100.0	27.2	7.8	13.8	12.0
	Change from the previous year	-	- 1.7	- 0.3	0.1	- 0.6
Region	Seoul	100.0	20.1	6.5	11.1	10.0
	Metropolitan cities	100.0	27.7	8.0	13.5	12.1
	Cities*	100.0	25.8	7.4	14.2	12.7
	Eup and Myeon	100.0	38.0	10.2	15.9	12.2
Classification		300 thousand ~ less than 400 thousand won	400 thousand ~ less than 500 thousand won	500 thousand ~ less than 600 thousand won	600 thousand ~ less than 700 thousand won	700 thousand won and over
Total	2017	10.3	8.0	6.1	4.0	8.3
	2018	9.9	8.3	6.4	4.7	9.9
	Change from the previous year	- 0.4	0.3	0.3	0.6	1.6
Region	Seoul	8.5	9.2	8.2	6.8	19.6
	Metropolitan cities	10.5	8.4	6.7	4.3	8.8
	Cities*	10.4	8.7	6.6	5.0	9.2
	Eup and Myeon	9.0	6.0	3.8	2.1	2.9

* Cities: Dong in cities excluding Seoul and 6 metropolitan cities

< Share of private education participation students by size of expenditures per student >



6. Private education expenditures and participation rate by household income

The higher household income level, the higher education expenditures and participation rate.

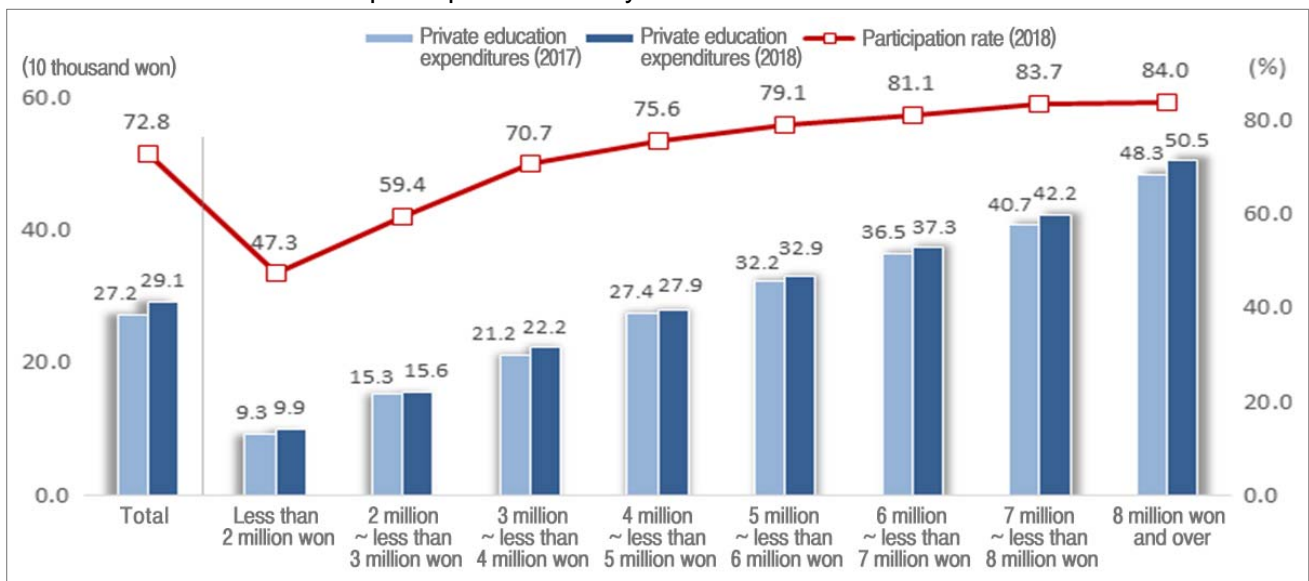
- ☐ The average monthly expenditures for households earning 8 million won and over marked 505 thousand won per student. The average monthly expenditures for households earning less than 2 million won marked 99 thousand won per student.
- ☐ The average monthly expenditures per student showed a rise for all household income groups.

- The participation rate of households earning 8 million won and over stood at 84.0%. The participation rate of households earning less than 2 million won stood at 47.3%.

【 Average monthly private education expenditures per student and participation rate by household income 】

Classification	Private education expenditures (10 thousand won, %)			Participation rate (%, %p)		
	2017	2018	Percent change from the previous year	2017	2018	Change from the previous year
Total	27.2	29.1	7.0	71.2	72.8	1.7
Less than 2 million won	9.3	9.9	5.9	44.0	47.3	3.3
2 million ~ less than 3 million won	15.3	15.6	2.1	58.8	59.4	0.6
3 million ~ less than 4 million won	21.2	22.2	4.4	68.5	70.7	2.1
4 million ~ less than 5 million won	27.4	27.9	1.5	75.5	75.6	0.1
5 million ~ less than 6 million won	32.2	32.9	2.1	79.0	79.1	0.2
6 million ~ less than 7 million won	36.5	37.3	2.2	81.5	81.1	- 0.4
7 million ~ less than 8 million won	40.7	42.2	3.9	83.8	83.7	- 0.1
8 million won and over	48.3	50.5	4.5	84.5	84.0	- 0.6

< Average monthly private education expenditures per student and participation rate by household income >



7. Private education expenditures and participation rate by parents' economic activity

'Dual income households' recorded the highest private education expenditures.
'Single income households by fathers' recorded the highest participation rate.

- The average monthly expenditures of 'Dual income households' recorded the highest figure of 307 thousand won per student, which was followed by 'Single income households by fathers' (297 thousand won) and 'Single income households by mothers' (185 thousand won).

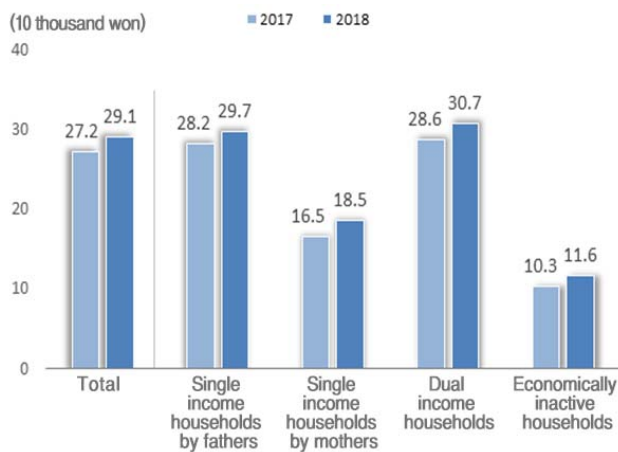
- As for 'Dual income households', the average monthly expenditures rose by 7.4% from 2017, and the participation rate went up by 1.4%p to 74.6% in 2018. As for 'Single income households by fathers', the average monthly expenditures rose by 5.5% from 2017, and the participation rate went up by 1.5%p to 74.9% in 2018.

【 Average monthly private education expenditures per student and participation rate by parents' economic activity 】

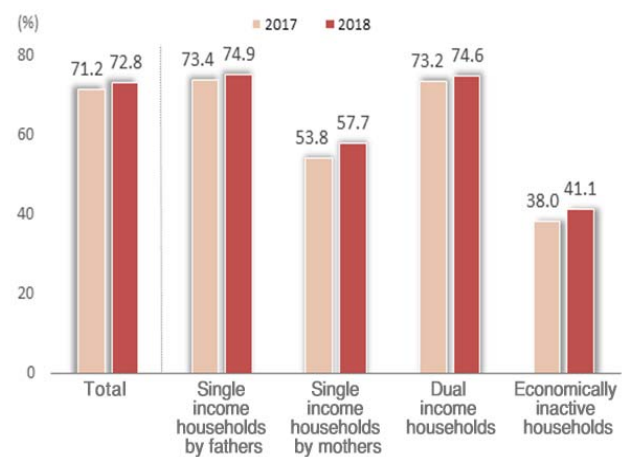
Classification	Private education expenditures (10 thousand won, %)			Participation rate (%, %p)		
	2017	2018	Percent change from the previous year	2017	2018	Change from the previous year
Total	27.2	29.1	7.0	71.2	72.8	1.7
- Single income households	26.3	27.9	6.1	70.3	72.1	1.8
Father	28.2	29.7	5.5	73.4	74.9	1.5
Mother	16.5	18.5	11.8	53.8	57.7	3.9
- Dual income households	28.6	30.7	7.4	73.2	74.6	1.4
- Economically inactive households	10.3	11.6	13.2	38.0	41.1	3.1

< Average monthly private education expenditures per student and participation rate by parents' economic activity >

- Average monthly private education expenditures per student -



- Private education participation rate -



8. Private education expenditures and participation rate by school performance

The higher school performance, the higher average monthly private education expenditures and participation rate.

- The average monthly expenditures of high school students recording 'Within top 10%' of school performance amounted to 384 thousand won, while those of students recording 'Within bottom 20%' of school performance amounted to 211 thousand won.

- The participation rate of students recording 'Within top 10%' of school performance stood at 65.8%. In the meantime, the participation rate of students recording 'Within bottom 20%' of school performance stood at 47.4%.

【 Average monthly private education expenditures per high school student and participation rate by school performance 】

Classification	Private education expenditures (10 thousand won, %)			Participation rate (%, %p)		
	2017	2018	Percent change from the previous year	2017	2018	Change from the previous year
Total	28.5	32.1	12.8	55.9	58.5	2.6
Within top 10%	34.6	38.4	11.1	63.4	65.8	2.4
11 ~ 30%	33.4	38.7	15.9	62.3	64.9	2.6
31 ~ 60%	30.0	34.8	15.9	57.1	61.0	3.9
61 ~ 80%	26.2	29.0	10.6	53.1	55.5	2.3
81 ~ 100%	20.3	21.1	4.2	46.4	47.4	1.0

* Data by school performance cover high school students.

9. Private education expenditures and participation rate by number of children

The smaller number of children, the higher private education expenditures and participation rate.

- The average monthly expenditures of households with 1 child showed the highest figure of 324 thousand won per student, which was followed by households with 2 children (308 thousand won) and households with 3 children or more (225 thousand won).

【 Average monthly private education expenditures per student by number of children 】

Classification	Private education expenditures (10 thousand won, %)			Participation rate (%, %p)		
	2017	2018	Percent change from the previous year	2017	2018	Change from the previous year
Total	27.2	29.1	7.0	71.2	72.8	1.7
1 child	29.3	32.4	10.5	72.6	75.6	3.0
2 children	29.1	30.8	5.9	73.7	74.6	1.0
3 children or more	20.9	22.5	7.8	63.8	66.5	2.7

10. Private education by purpose

As for general subjects, students participating in the private education for the purpose of 'Preparation for higher school level', 'Study in advance' and 'Makeup for classes' showed an increase. As for artistic & physical skills, hobbies and culture, students participating in the private education for the purpose of 'Hobbies, culture and development of ability' and 'Preparation for higher school level' showed an increase.

- ☐ As for general subjects, the highest share (49.0%) of students participated in private education for the purpose of 'Makeup for classes', which was followed by 'Study in advance' (21.3%) and 'Preparation for higher school level' (17.5%).
- ☐ As for elementary school students, 'Makeup for classes' occupied the largest share, which was followed by 'Study in advance' and 'Child care and anxiety'.
- ☐ As for middle school students, 'Makeup for classes' occupied the largest share, which was followed by 'Study in advance' and 'Preparation for higher school level'.
- ☐ As for high school students, 'Makeup for classes' occupied the largest share, which was followed by 'Preparation for higher school level' and 'Study in advance'.

【 Private education of general subjects by purpose 】

(Unit: %, %p)

Classification		Preparation for higher school level	Study in advance	Makeup for classes	Others including child care and anxiety
Total	2017	17.0	20.9	48.8	13.2
	2018	17.5	21.3	49.0	12.2
	Change from the previous year	0.5	0.3	0.2	-1.0
School level	Elementary school	9.1	22.7	49.2	19.0
	Middle school	20.0	23.6	50.2	6.2
	High school	32.6	15.5	47.3	4.5

* Purposes are multiple response items. Respective response items were converted with the total responses = 100.

- ☐ The largest share of students participated in the private education of artistic & physical skills, hobbies and culture for the purpose of 'Hobbies, culture and development of ability' (59.6%).
- ☐ As for elementary and middle school students, 'Hobbies, culture and development of ability' occupied the largest share. As for high school students, 'Preparation for higher school level' and 'Hobbies, culture and development of ability' were their main purposes.

【 Private education of artistic & physical skills, hobbies and culture by purpose 】

(Unit: %, %p)

Classification		Preparation for higher school level	Makeup for classes	Hobbies, culture and development of ability	To make friends	Child care and others
Total	2017	9.8	9.4	58.6	9.1	13.1
	2018	10.0	8.9	59.6	9.0	12.5
	Change from the previous year	0.2	- 0.5	1.0	- 0.1	- 0.6
School level	Elementary school	3.8	9.4	61.0	10.2	15.6
	Middle school	16.7	6.6	66.8	7.3	2.6
	High school	50.0	7.3	39.9	1.9	0.9

* Purposes are multiple response items. Respective response items were converted with the total responses = 100.

11. Private education expenditures and participation rate by area

(1) Private education expenditures and participation rate by region

Seoul showed the highest figures of private education expenditures and the participation rate for the total students and the participation students.

- As for the average monthly expenditures by region, Seoul marked the highest figure of 411 thousand won per student, which was followed by cities (290 thousand won), metropolitan cities (281 thousand won), and Eup & Myeon (181 thousand won).

* The nation is categorized into 4 groups (Seoul, metropolitan cities, cities and Eup & Myeon.)

- Compared to 2017, Seoul, metropolitan cities, cities and 'Eup & Myeon' grew by 5.2%, 4.3%, 10.4% and 2.3%, respectively.

- As for the average monthly expenditures by region, Seoul marked the highest figure of 515 thousand won per participation student, which was followed by cities (390 thousand won), metropolitan cities (388 thousand won) and Eup & Myeon (292 thousand won).

- Compared to 2017, Seoul, metropolitan cities, cities and 'Eup & Myeon' grew by 2.2%, 3.0%, 6.8% and 2.6%, respectively.

【 Average monthly private education expenditures per student and participation rate by region 】

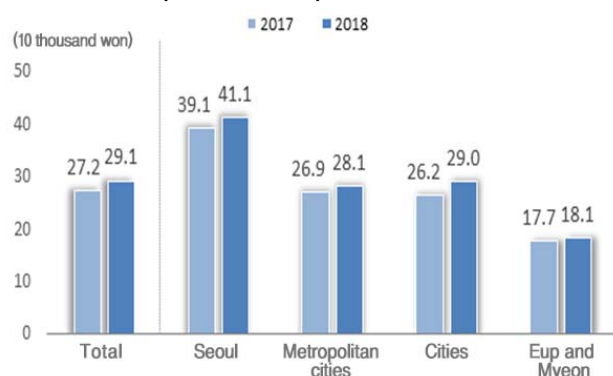
(Unit: 10 thousand won, %)

Classification	Total students					Participation students				
	Total	Seoul	Metropolitan cities	Cities*	Eup and Myeon	Total	Seoul	Metropolitan cities	Cities*	Eup and Myeon
2017	27.2	39.1	26.9	26.2	17.7	38.2	50.4	37.7	36.5	28.5
2018	29.1	41.1	28.1	29.0	18.1	39.9	51.5	38.8	39.0	29.2
Year-on-year	7.0	5.2	4.3	10.4	2.3	4.6	2.2	3.0	6.8	2.6
Elementary school	26.3	36.5	25.3	26.1	17.8	31.9	40.8	31.0	31.3	24.0
Middle school	31.2	41.5	31.3	31.1	20.3	44.8	55.4	44.1	44.2	34.3
High school	32.1	48.4	29.9	32.5	16.8	54.9	70.9	52.0	53.5	38.8

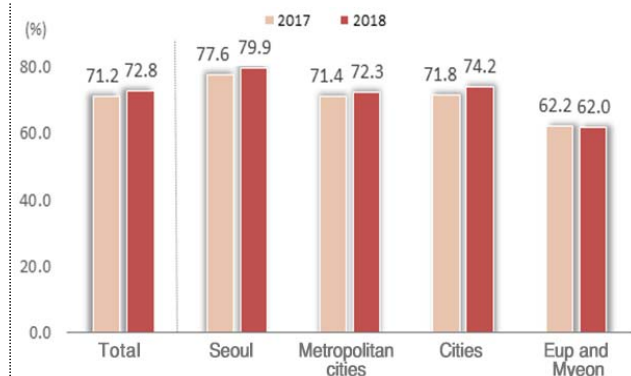
* Cities: Dong in cities excluding Seoul and 6 metropolitan cities

< Average monthly private education expenditures per student and participation rate by region >

- Average monthly private education expenditures per student -



- Private education participation rate -



(2) Private education expenditures and participation rate by metropolitan city and province

- ☐ As for the average monthly expenditures per student by metropolitan city and province, Seoul marked the highest figure of 411 thousand won, while Chungnam marked the lowest figure of 187 thousand won.
- ☐ Compared to 2017, Chungbuk, Jeonnam and Ulsan rose by 28.4%, 20.6% and 12.3%, respectively. In the meantime, Daejeon and Chungnam fell by 2.0% and 0.8%, respectively.
- ☐ The private education participation rate of Seoul marked the highest figure at 79.9%, which was followed by Sejong (77.9%) and Gyeonggi (76.1%). The private education participation rate of Jeonnam marked the lowest figure at 61.5%.

【 Average monthly private education expenditures per student and participation rate by metropolitan city and province 】

Classification	Private education expenditures (10 thousand won, %)			Participation rate (%, %p)		
	2017	2018	Percent change from the previous year	2017	2018	Change from the previous year
Total	27.2	29.1	7.0	71.2	72.8	1.7
Seoul	39.1	41.1	5.2	77.6	79.9	2.2
Busan	27.6	27.6	0.0	73.0	70.3	- 2.6
Daegu	30.0	30.3	0.8	74.0	73.7	- 0.2
Incheon	25.1	27.7	10.0	68.0	72.6	4.6
Gwangju	24.5	26.2	6.7	68.7	69.4	0.8
Daejeon	27.6	27.0	- 2.0	72.7	73.8	1.1
Ulsan	23.6	26.5	12.3	69.4	73.3	3.9
Sejong	26.2	28.8	9.8	74.5	77.9	3.4
Gyeonggi	28.7	32.1	11.9	74.0	76.1	2.1
Gangwon	20.3	20.5	1.0	65.5	65.8	0.3
Chungbuk	19.0	24.4	28.4	63.0	69.4	6.5
Chungnam	18.8	18.7	- 0.8	64.6	63.7	- 0.9
Jeonbuk	20.3	20.9	3.1	64.6	65.5	0.9
Jeonnam	15.8	19.0	20.6	57.0	61.5	4.5
Gyeongbuk	20.6	21.4	3.9	67.3	67.7	0.4
Gyeongnam	22.1	22.6	2.5	70.0	70.3	0.4
Jeju	22.4	23.2	3.7	66.3	68.4	2.1

2 After-school Programs, EBS Textbooks and Language Courses

1. Education expenditures and participation rate by year

The after-school program participation rate recorded 51.0%. The language course participation rate recorded 0.5%.

- ☐ The expenditures on after-school programs amounted to 930 billion won, which dropped by 9.0% from 2017. The expenditures on language courses amounted to 480 billion won, which grew by 0.7% from 2017.

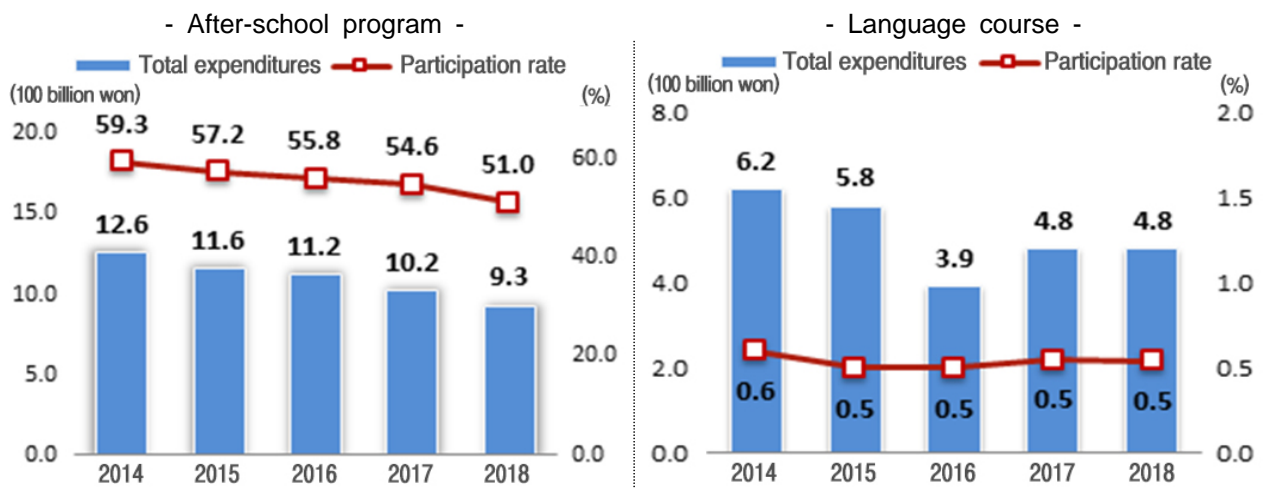
- The after-school program participation rate stood at 51.0%, down 3.7%p from 2017. The language course participation rate recorded 0.5%, remaining the same as 2017.

【 Expenditures and participation rate of after-school programs and language courses by year 】

Classification	Total education expenditures (100 million won, %)					Participation rate (% , %p)*				
	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
After-school programs	12,597	11,647	11,174	10,175	9,258	59.3	57.2	55.8	54.6	51.0
Year-on-year	-	- 7.5	- 4.1	- 8.9	- 9.0	-	- 2.1	- 1.4	- 1.2	- 3.7
Language courses	6,190	5,795	3,864	4,787	4,820	0.6	0.5	0.5	0.5	0.5
Year-on-year	-	- 6.4	- 33.3	23.9	0.7	-	- 0.1	0.0	0.0	0.0

* Expenditures and participation rate of paid and free after-school programs

< Expenditures and participation rate of after-school programs and language courses by year >



2. After-school program participation rate

The paid and free after-school program participation rate stood at 51.0% in 2018. The paid after-school program participation rate stood at 39.8% in 2018.

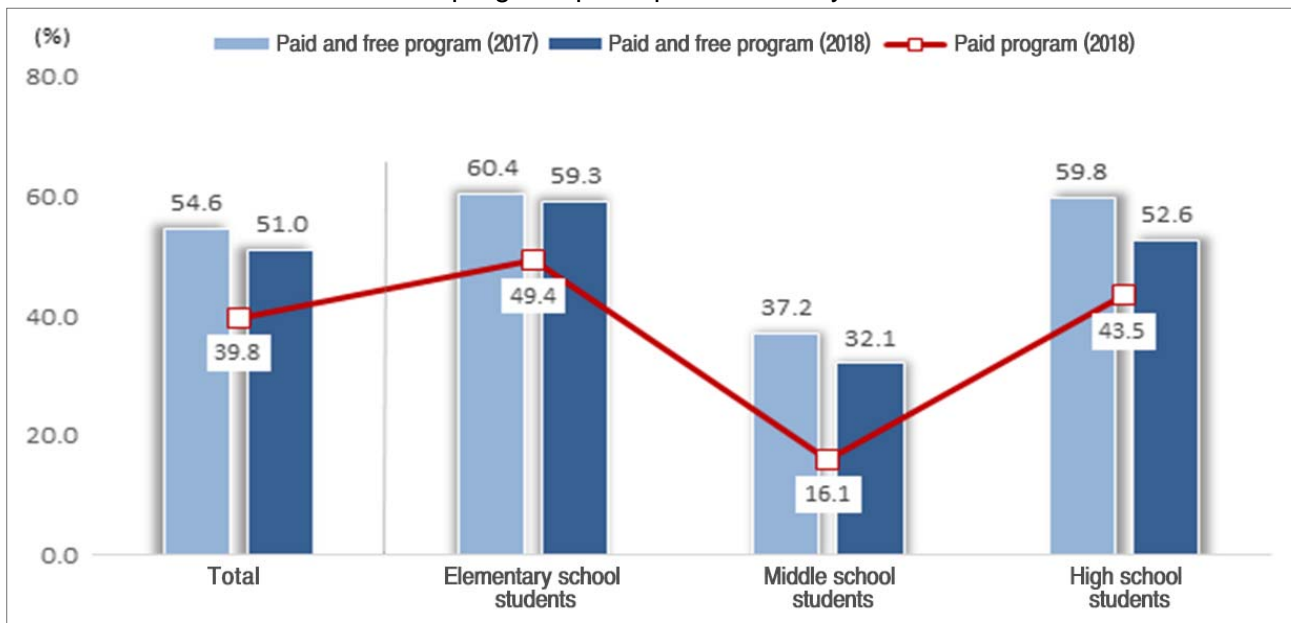
- The paid and free after-school program participation rate marked 51.0% in 2018, falling by 3.7%p from 2017.
- As for the paid and free after-school program participation rate by school level, elementary school students recorded 59.3%, down 1.1%p from 2017. Middle school students recorded 32.1%, down 5.2%p from 2017. High school students recorded 52.6%, down 7.1%p from 2017.
- The paid after-school program participation rate of elementary school students recorded the highest figure at 49.4%, which was followed by high school students (43.5%) and middle school students (16.1%).

【 After-school program participation rate by school level 】

(Unit: %, %p)

Classification	Paid and free after-school program participation rate				Paid after-school program participation rate			
	2016	2017	2018	Change from the previous year	2016	2017	2018	Change from the previous year
Total	55.8	54.6	51.0	- 3.7	45.9	43.2	39.8	- 3.3
Elementary school	58.9	60.4	59.3	- 1.1	50.3	50.8	49.4	- 1.4
Middle school	35.0	37.2	32.1	- 5.2	20.0	19.6	16.1	- 3.5
High school	68.3	59.8	52.6	- 7.1	60.7	50.4	43.5	- 6.9

< After-school program participation rate by school level >



3. Percentage of students purchasing EBS textbooks for autonomous learning

The percentage of students purchasing EBS textbooks for autonomous learning stood at 15.7% in 2018, down 1.2%p from 16.9% in 2017.

- ☐ The percentage of students purchasing EBS textbooks for autonomous learning stood at 15.7% in 2018, down 1.2%p from 16.9% in 2017.
- ☐ High school students showed the highest percentage of students purchasing EBS textbooks at 35.0%, which was followed by middle school students (8.6%) and elementary school students (8.3%).
- ☐ Compared to 2017, the share of high school students purchasing EBS textbooks went up by 0.2%p, while the share of elementary school students went down by 1.5%p.

【 Percentage of students purchasing EBS textbooks by school level 】

(Unit: %, %p)

Classification	Total	Elementary school	Middle school	High school
2017	16.9	9.9	9.0	34.8
2018	15.7	8.3	8.6	35.0
Change from the previous year	- 1.2	- 1.5	- 0.4	0.2

4. Language course participation rate

The language course participation rate recorded 0.5% in 2018, which remained the same as 2017.

- ☐ As for language course participation rate by school level, elementary, middle and high school students recorded 0.6%, 0.6% and 0.3%, respectively.

【 Language course participation rate by school level 】

(Unit: %, %p)

Classification	Total	Elementary school	Middle school	High school
2017	0.5	0.6	0.7	0.3
2018	0.5	0.6	0.6	0.3
Change from the previous year	0.0	0.0	0.0	0.0