

ZENRIN

Securities Code: 9474

Briefing on Results for First 2 Quarters of Fiscal 2019 (Year Ending March 31, 2019)

November 16, 2019

ZENRIN Co., Ltd.
Maps to the Future

President and CEO

Zenshi Takayama

Executive Vice President

Junya Amita

Executive Officer, and
Head of Corporate Management Division

Yumiko Toshima

1. Overview of Results for First 2 Quarters of Fiscal 2019
2. Earnings Forecast for Fiscal 2019
3. Business Overview
4. Appendix

Note: This document contains forward-looking statements based on assumptions, forecasts and plans in light of information available to ZENRIN Co., Ltd. as of the preparation date of this document. Actual performance may vary significantly from the forecast figures due to various risks and uncertainties owing to global economic trends, market demand, status of competition, exchange fluctuations and other factors.

The information that appears in this document rounds down fractions to the nearest specified unit and rounds off decimals in the percentage of change to the first decimal place.

In addition, cases where the percentage of change exceeds 1000% and cases where one or both of the items of comparison are negative are shown as “—.”

1. Overview of Results for First 2 Quarters of Fiscal 2019

- 1) Overview of Results
- 2) Causes for Change in Operating Income
- 3) Changes in Net Sales, Income and Profit
- 4) Net Sales by Business under Medium- to Long-Term Business Plan ZGP2020
- 5) Segment Information
- 6) Changes in Cash Flows

1-1) Overview of Results

Key Points of Results for First 2 Quarters of Fiscal 2019

Compared to First 2 Quarters of Fiscal 2018 <increase in sales and income>

- Sales of data for Japanese in-car navigation systems and sales of residential map data to corporate and local government customers were strong

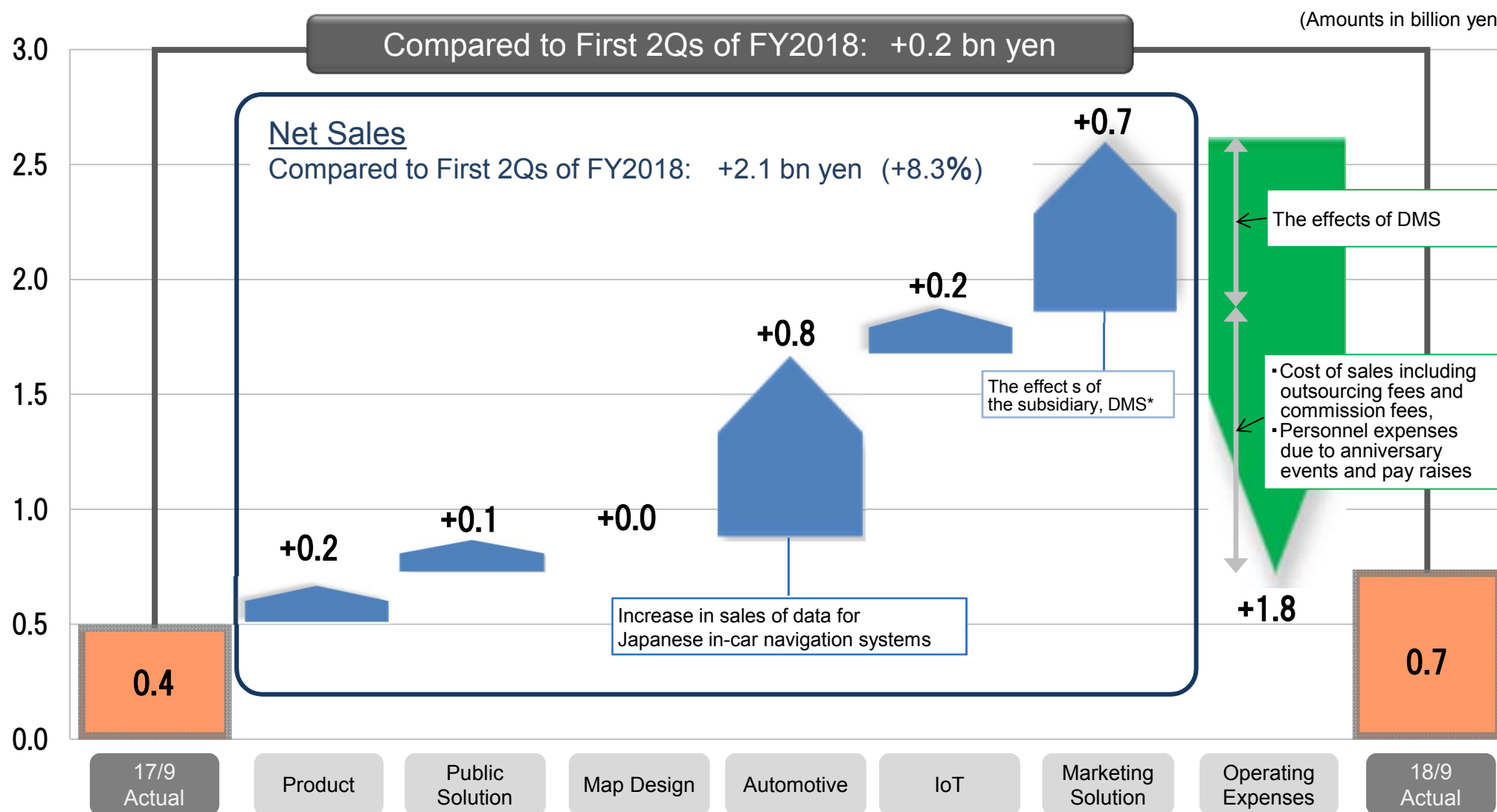
Compared to Earnings Forecast < increase in sales and income >

- Net sales increased also due to the impact of changes in the reporting period (e.g. reporting moved up from the latter half)
- Despite the increase in cost of sales including outsourcing fees and commission fees in conjunction with increased revenues, profits were secured due to the effects of the increased revenues

	First 2Qs of FY2018 Actual	First 2Qs of FY2019 Earnings Forecast (Apr. 27)	First 2Qs of FY2019 Revised Forecast (Oct. 22)	First 2Qs of FY2019 Actual	Compared to First 2Qs of FY2018	% of Change	Compared to Earnings Forecast (Apr. 27)	% of Change	Compared to Revised Forecast (Oct. 22)	% of Change
(Amounts in million yen)										
Net Sales	26,016	27,000	28,100	28,168	2,151	8.3	1,168	4.3	68	0.2
Operating Expenses	25,546	27,000	27,370	27,429	1,883	7.4	429	1.6	59	0.2
Operating Income	470	0	730	738	268	57.0	738	—	8	1.2
Operating Margin	1.8%	—	2.6%	2.6%	0.8pt		2.6pt		0.0pt	
Ordinary Income	725	0	970	977	252	34.8	977	—	7	0.8
Profit Attributable to Owners of Parent	213	0	580	587	373	175.3	587	—	7	1.3

*No substantial change from the revised earnings forecast figures announced on October 22.

1-2) Causes for Change in Operating Income



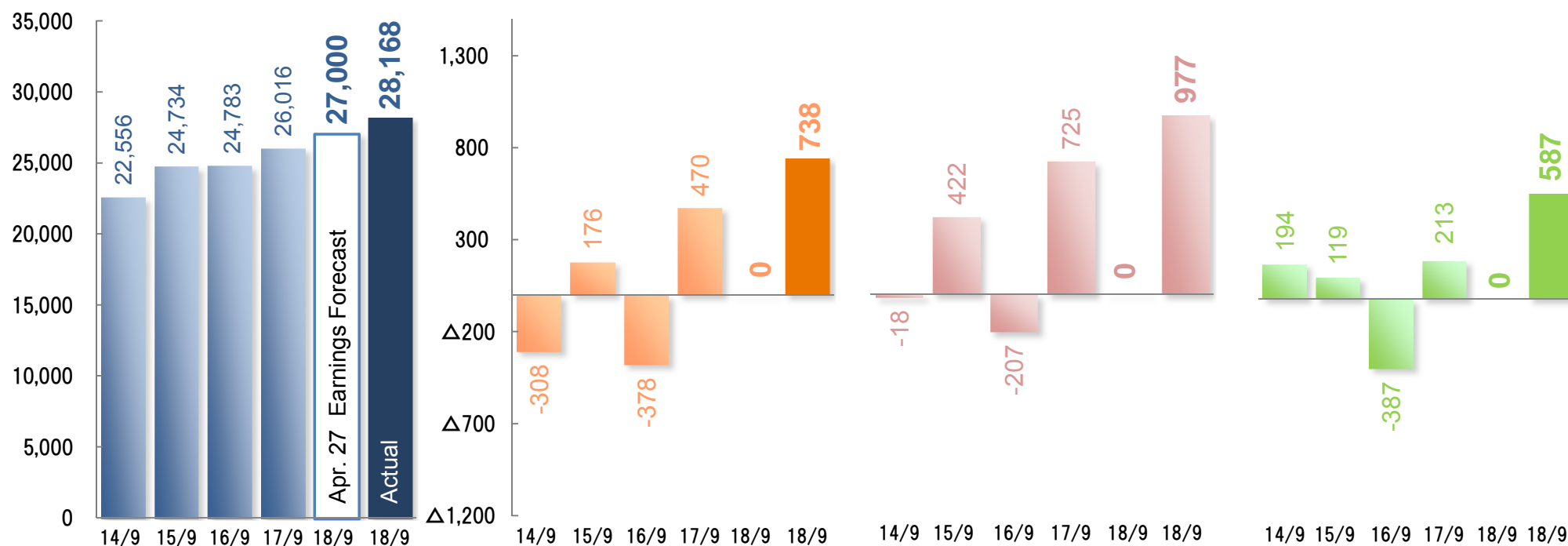
*DMS:DAITO MARKETING SOLUTIONS CO., LTD.

1-3) Changes in Net Sales, Income and Profit

Briefing on Results for First 2Qs of FY2019

(Amounts in million yen)

	Net Sales	Operating Income	Ordinary Income	Profit Attributable to Owners of Parent
Compared to First 2Qs of FY2018	Up 2,151 (+8.3%)	Up 268 (+57.0%)	Up 252 (+34.8%)	Up 373 (+175.3%)
Compared to Earnings Forecast (announced on Apr. 27)	Up 1,168 (+4.3%)	Up 738 (—)	Up 977 (—)	Up 587 (—)



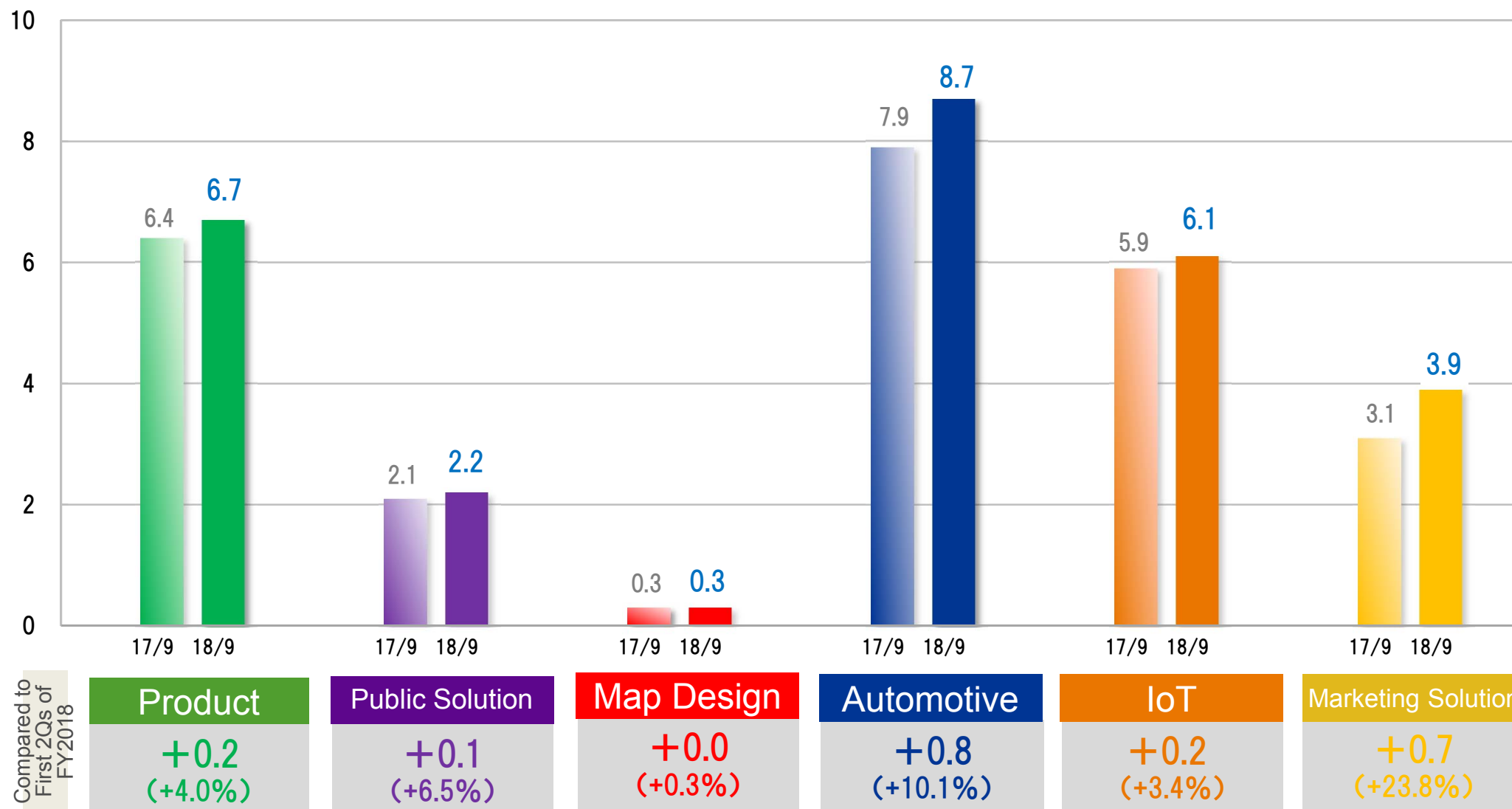
Increase in sales for 4 consecutive periods
(Record high)

Increase in income for 2 consecutive periods

*No substantial change from the revised earnings forecast figures announced on October 22.

1-4) Net Sales by Business under ZGP2020

(Amounts in billion yen)



*Data for fiscal 2017 are reclassified from the previous business composition.

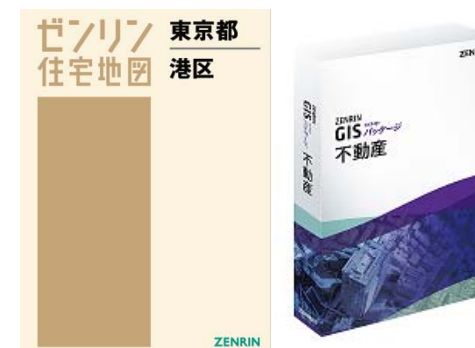
1-5) Segment Information

Sales
Composition

81.5%

1. Map Database Segment

Main Items: Printed residential maps, residential map databases, map data for Japanese and overseas in-car navigation systems, services for smartphones, map data provision, etc. for various media/devices



6.8%

2. General Printing Segment

Main Items: Commercial printing



11.7%

3. Other

Main Items: Purchased products, digital signage, provision of Marketing Solution

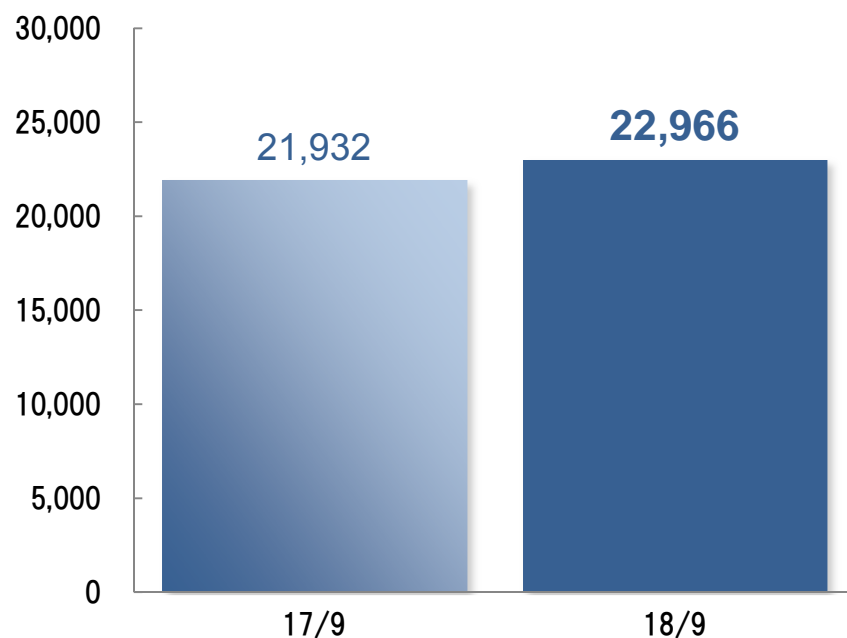


1-5) Map Database Segment

Net Sales

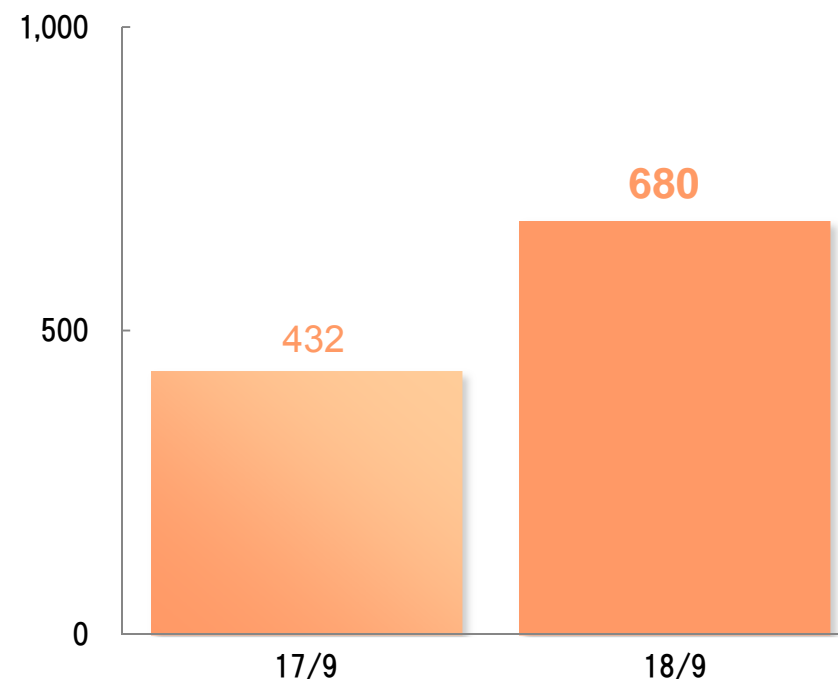
Compared to First
2Qs of FY2018

Up 1,034 (+4.7%)



Operating Income

Up 247 (+57.3%)



- Sales of data for Japanese in-car navigation systems and sales of residential map data to corporate and local government customers were strong
- Despite the increase in cost of sales including outsourcing fees and commission fees in conjunction with increased revenues, profits were secured due to the effects of the increased revenues

1-5) General Printing Segment, and Other

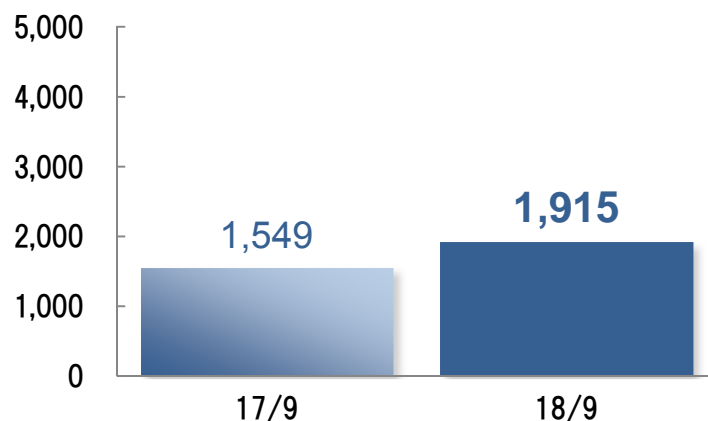
(Amounts in million yen)

General Printing Segment

Net Sales

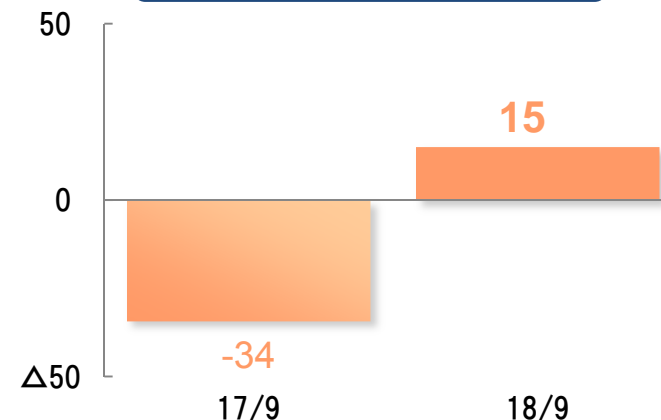
Compared to First
2Q of FY2018

Up 366 (+23.7%)



Operating Income

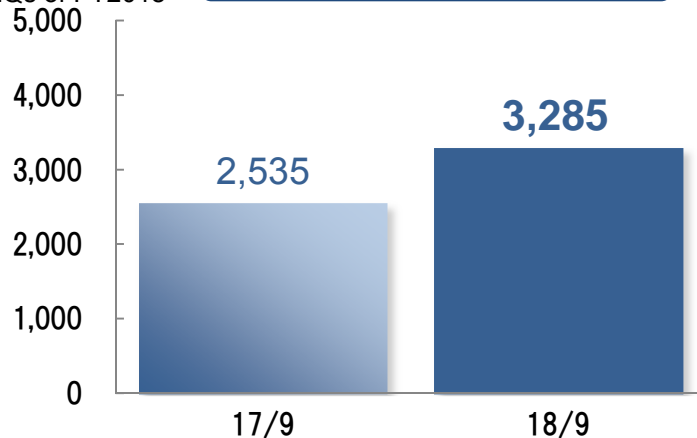
Improved 49 (—)



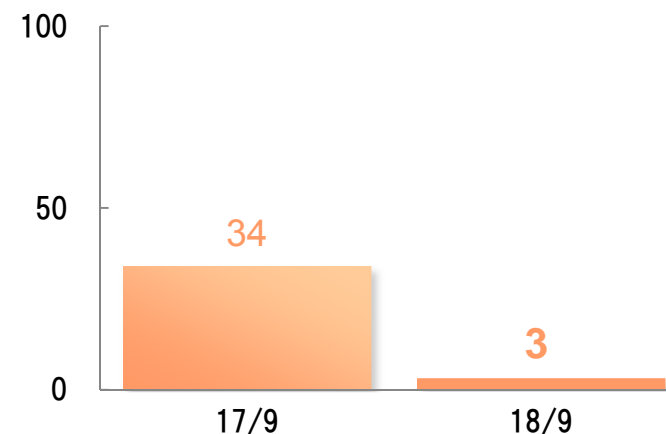
Other

Up 750 (+29.6%)

Compared to First
2Qs of FY2018



Down 31 (-91.0%)



■ The main cause for the increase in sales in the General Printing and Other segments was the effects of DMS, a newly consolidated subsidiary from the 3rd quarter of the previous fiscal year

1-6) Changes in Cash Flows

(Amounts in million yen)

Operating Cash Flows

Investing Cash Flows

Free Cash Flows

Financing Cash Flows

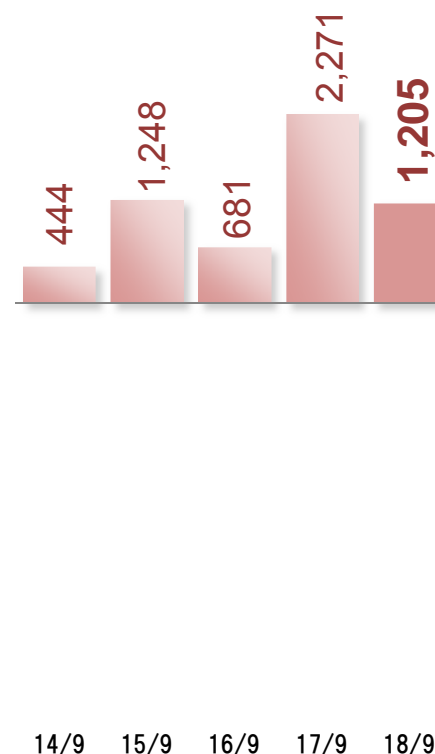
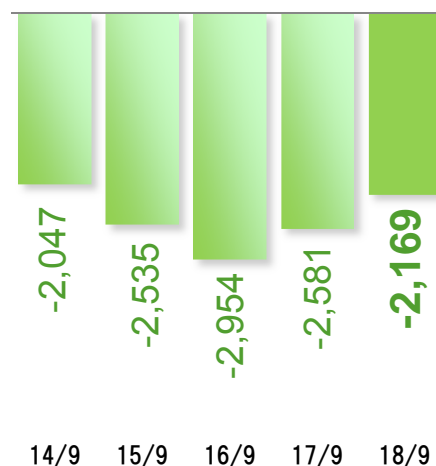
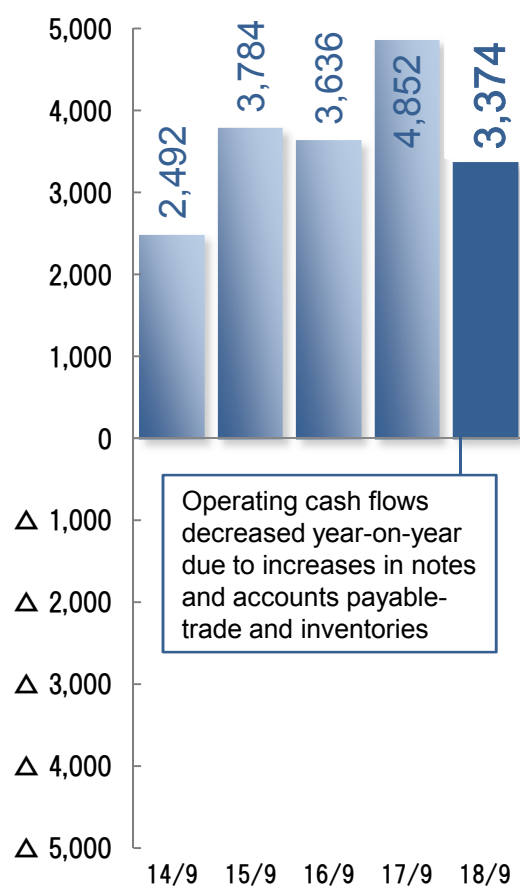
Compared to
First 2Qs of
FY2018

Inflows down 1,478

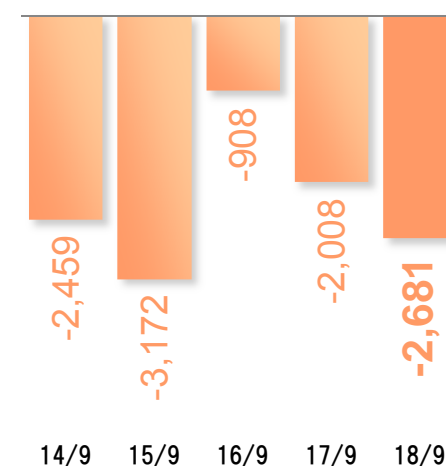
Outflows down 412

Inflows down 1,065

Outflows Up 673



Free cash flows	1,205
Financing cash flows	-2,681
Effect of exchange rate	-10
Net decrease in cash and cash equivalents	-1,486
Cash and cash equivalents at beginning of period	11,542
Cash and cash equivalents at end of period	10,055



2. Earnings Forecast for Fiscal 2019

- 1) Overview of Earnings Forecast for Fiscal 2019
(No change from the figures announced on April 27)
- 2) Dividends

2-1) Overview of Earnings Forecast for Fiscal 2019

Earnings Forecast for Fiscal 2019

The earnings forecast for fiscal 2019 is left unchanged from that announced on April 27, 2018 for now.

Compared to Fiscal 2018 <increase in sales and income>

Re-organization of business strategy based on the new business composition with an eye on the next medium-to long-term business plan

- Securing of earnings from existing businesses
- Earnings of revenue from new business domains such as ADAS, IoT and Map Design Business
- Stable operation of Zenrin Integrated Geospatial System and product development

(Amounts in million yen)

	FY2018 Actual	FY2019 Forecast	Compared to FY2018	% of Change
Net Sales	61,332	64,000	2,667	4.3
Operating Expenses	55,890	58,200	2,309	4.1
Operating Income	5,441	5,800	358	6.6
Operating Margin	8.9%	9.1%	0.2pt	
Ordinary Income	5,863	6,200	336	5.7
Profit Attributable to Owners of Parent	3,336	3,700	363	10.9

2-2) Dividends

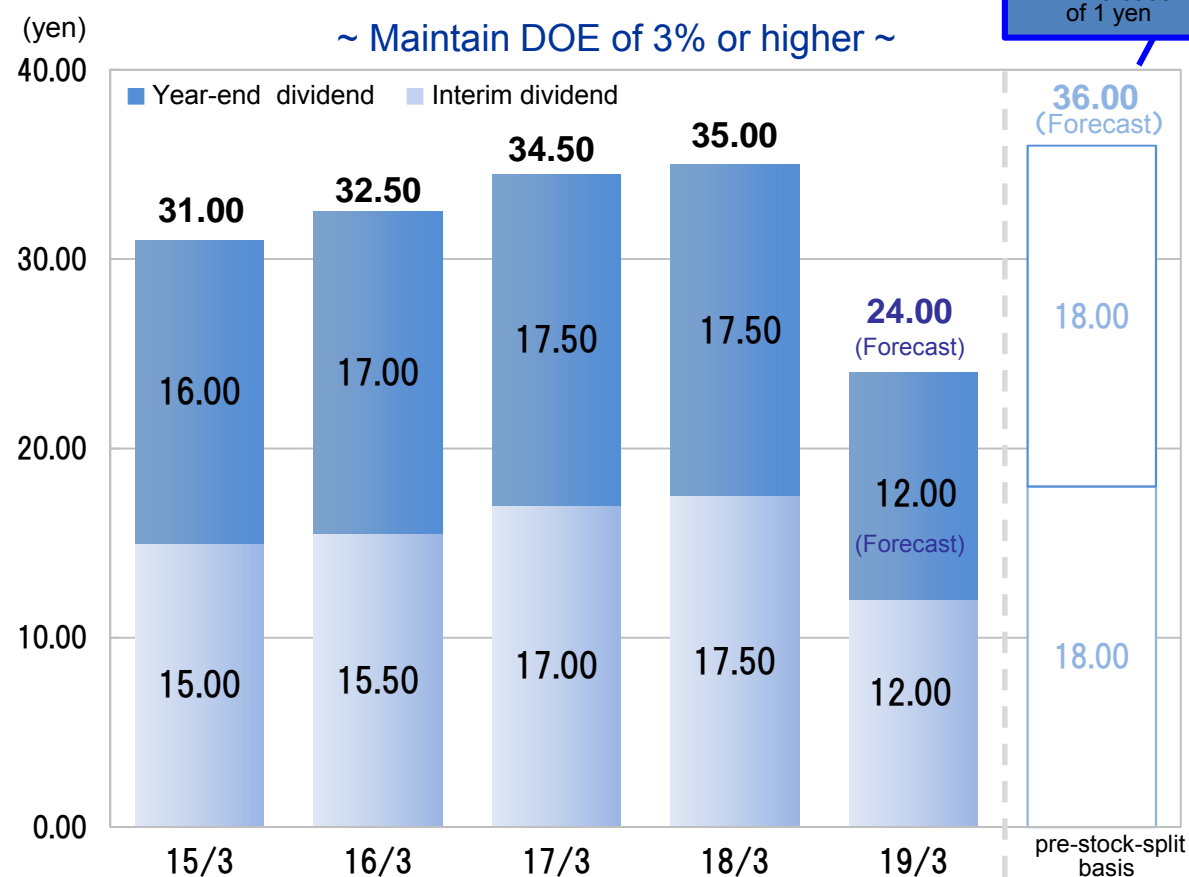
Basic Policy

Return income to shareholders derived from income growth based on the medium- to long-term business plan, while taking into account maintaining an adequate amount of internal reserves

Target dividend on equity (DOE) on a consolidated basis of 3% or higher

FY2019 Dividend (pre-stock-split basis)*	
Interim	12.00 yen (18.00 yen)
Year-end (Forecast)	12.00 yen (18.00 yen)
Annual (Forecast)	24.00 yen (36.00 yen)

* Effective April 1, 2018, the Company conducted a stock split. Each share of common stock was split into 1.5 shares.

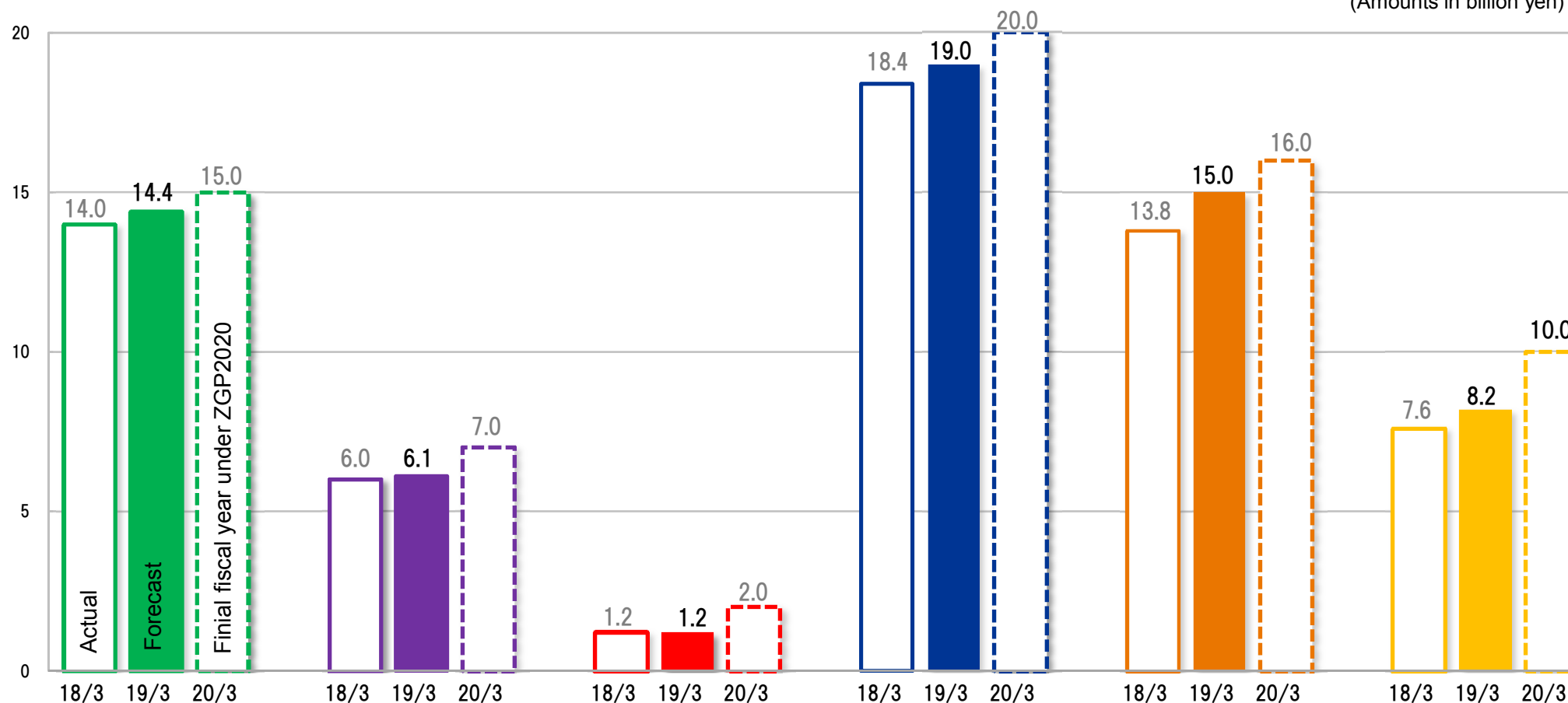


3. Business Overview

- 1) Net Sales by Business under Medium- to Long-Term Business Plan ZGP2020
- 2) ZGP2020 Business Strategy
 - Net sales by Business (Actual/Forecast/ ZGP2020 Targets) and Primary Initiatives

3-1) Net Sales by Business under ZGP2020

(Amounts in billion yen)



18/3	Product	Public Solution	Map Design	Automotive	IoT	Marketing Solution
↓						
19/3	+0.3 (+2.4%)	+0.0 (+0.1%)	+0.0 (+2.7%)	+0.5 (+3.2%)	+1.1 (+8.2%)	+0.5 (+7.3%)

*Data for fiscal 2018 (outlined bar graph) and fiscal 2020 (final fiscal year under ZGP2020) are reclassified from the previous business composition.

3-2) ZGP2020 Business Strategy

【Product Business】

Enhancement of value of residential map databases through a product-oriented approach

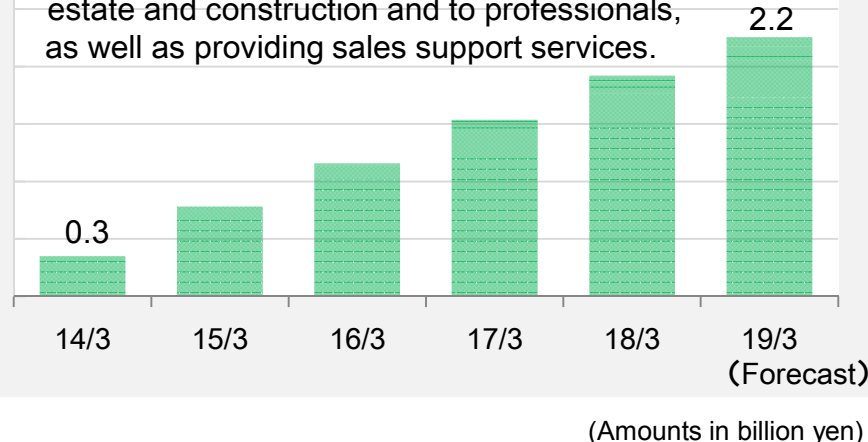
- Offer products and services that increase operating efficiency and meet the purpose of consumers who mainly use products relating to residential maps
- Secure the stable revenue foundation by using existing data

Priority measures

- Release new products through development of applications
- Secure stable revenue through expansion of stock-type products

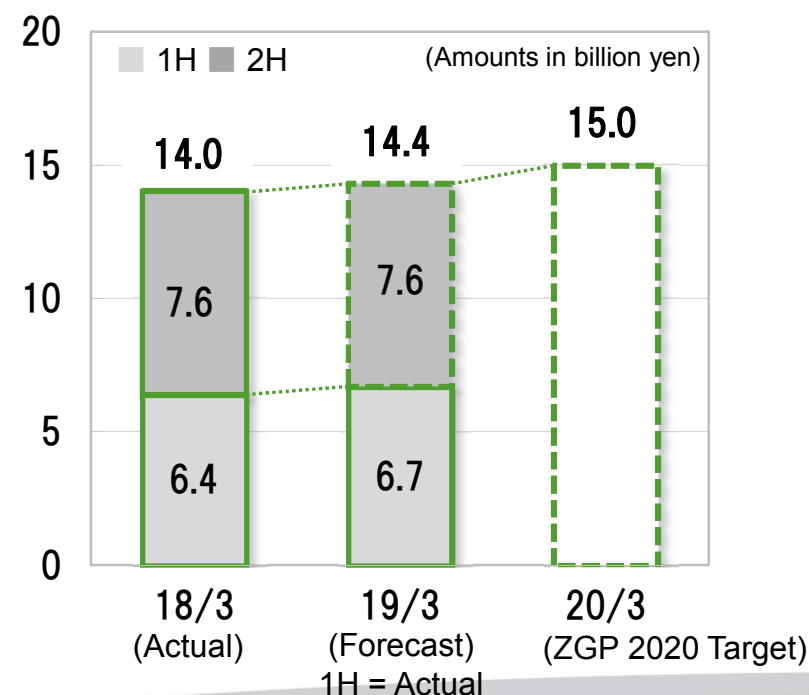
GIS Package Changes in Net Sales

Provided services to such industries as real estate and construction and to professionals, as well as providing sales support services.



< Second Quarter Progress >

Sales from the distribution of residential map data and GIS packages remained strong



*Data for fiscal and fiscal 2020 are reclassified from the previous business composition.

3-2) ZGP2020 Business Strategy

【Public Solution Business】

Increase of revenue by offering products and services for central government ministries/agencies and local governments

- Offer products and services that support work of central government ministries/agencies and local governments
- Expand sales through establishment of local government platform

Priority measures

Establish a dedicated platform that is specialized in local government work

< Second Quarter Progress >

Sales of residential map data increased

“ZENRIN Residential Map LGWAN” for local governments

Residential map services that support LGWAN

Monthly usage fees commensurate with the size of the population

Optional functions supporting each service

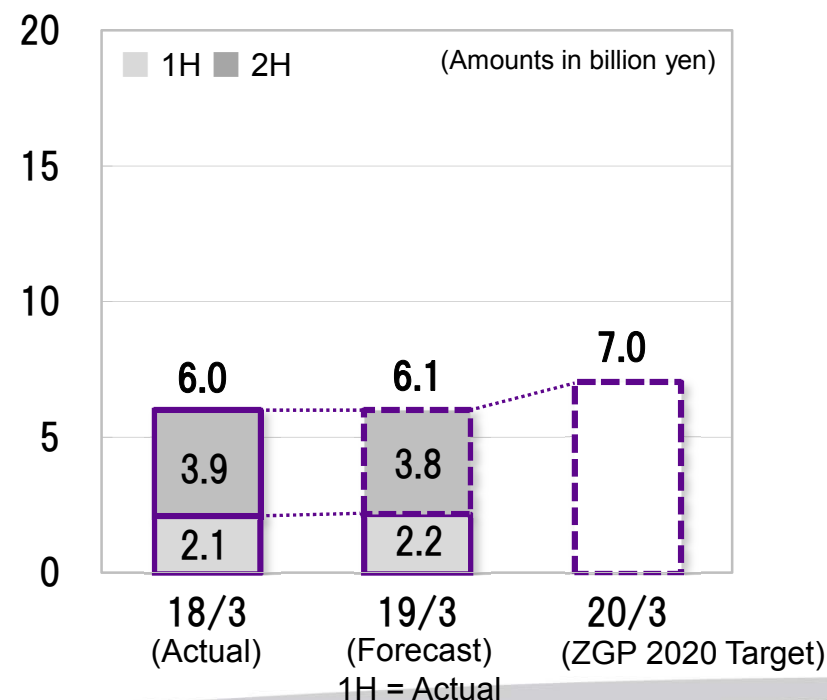
e.g.

Disaster prevention /mitigation measures

Security measures when commuting to and from school



Zenrin Local government support project
Concluded agreements for support at the time of disaster with 534 local governments
(As of October 31, 2018)



*Data for fiscal and fiscal 2020 are reclassified from the previous business composition.

3-2) ZGP2020 Business Strategy

【Map Design Business】

Establishment of business domains
through embodiment of maps' potential value

Expand map products under a new concept to consumers that place an importance on emotional value as well as functional value

Priority measures

- Create new opportunities for use of maps through product development
- Generate extra revenue for a limited period with sports and cultural events

Map stationery “mati mati” line-up.

Total number of packages shipped: **100,000** (as of April 2018)

【15 areas】

Sapporo, Sendai, Marunouchi, Omotesando, Kichijyoji, Yokohama, Kanazawa, Nagoya, Kyoto, Umeda, Nanba, Kobe, Hiroshima, Tenjin, Naha

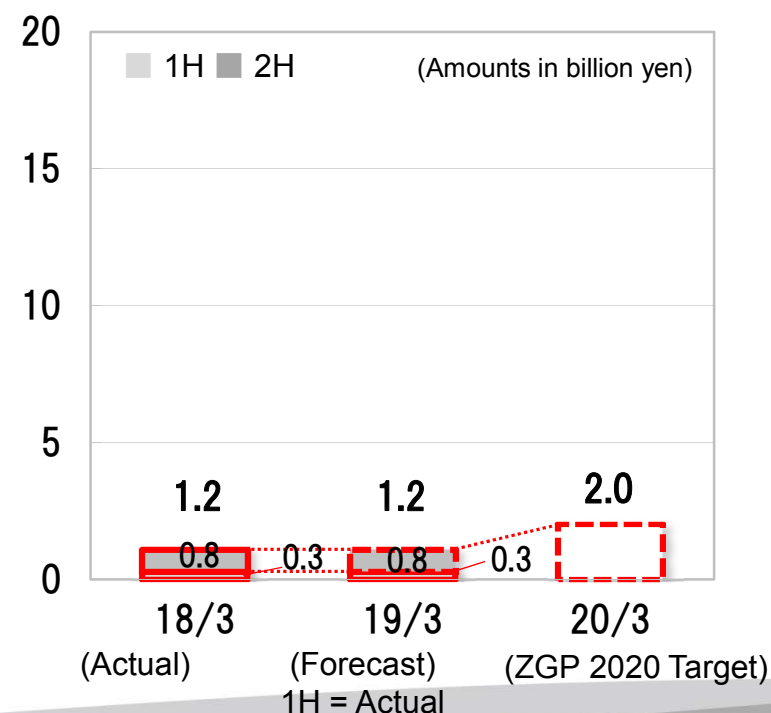


Products utilizing map data bases Independent study kit for primary school social studies “Town Exploration Kit” is released



<Second Quarter Progress>

Mostly the same as the same period of the previous fiscal year



*Data for fiscal and fiscal 2020 are reclassified from the previous business composition.

3-2) ZGP2020 Business Strategy

【Automotive Business】

Stabilization of business related to Japanese and overseas in-car navigation and market creation of automated driving and ADAS business

- Secure stable revenue by maintaining and expanding share of map data for Japanese in-car navigation system
- Secure share in the new business in support of automated driving and ADAS and connectivity expansion

Priority measures

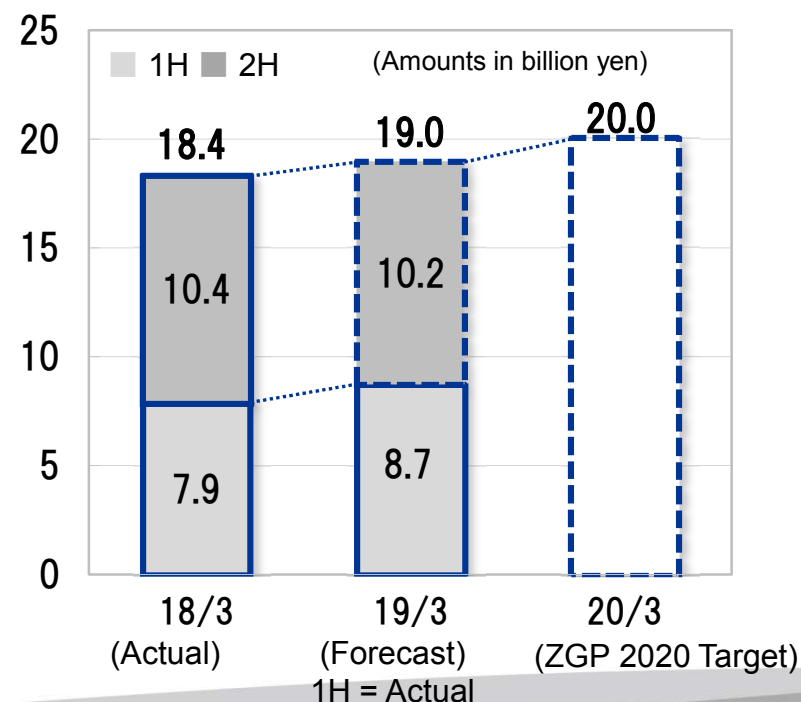
- Response to mass production in AD/ADAS business (expressways)
- Research and development in AD/ADAS business (ordinary roads)

Maintain and expand share of map data for Japanese in-car navigation system

Secure share in the new business in support of automated driving and ADAS and connectivity expansion

<Second Quarter Progress>

- Strong sales of data for Japanese in-car navigation systems
- Moved up the reporting of sales of certain commissioned projects and reported ADAS-related sales



*Data for fiscal and fiscal 2020 are reclassified from the previous business composition.

3-2) ZGP2020 Business Strategy

【IoT Business】 Fusion between the location information business and IoT solution

Provide location information service solutions in collaboration with companies that use big data collected through IoT

Priority measures

- Expand business in collaboration with companies(real estate, logistics, transport, infrastructure, service providers, etc.)
- Earn revenue in the drone business
- Create the MaaS business by using map technology for automated driving

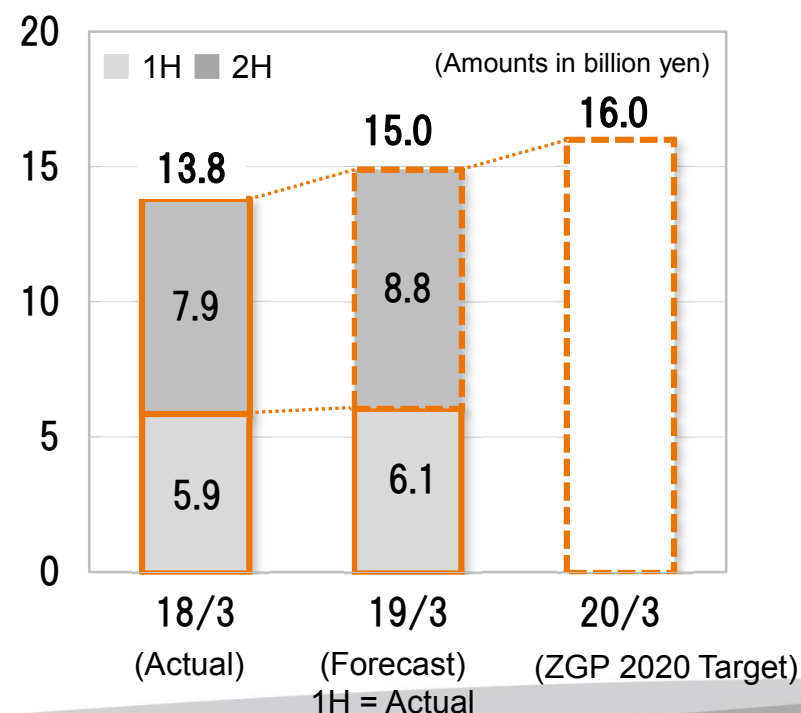
R&D and demonstrations of the drone business

- We succeeded in the demonstrations of transport using transmission plants as air routes
- We are cooperating in the Ina City drone logistics project and building a logistics system using the airspace over the rivers as long-distance trunk air routes.

Demonstration project on commercialization of a platform using blockchain technology for sharing real estate information

- The Company participated ,as a member, 「ADRE* real estate information consortium」
(*Aggregate Data Ledger for Real Estate)

< Second Quarter Progress > Smartphone-related commissioned development increased



*Data for fiscal and fiscal 2020 are reclassified from the previous business composition.

3-2) ZGP2020 Business Strategy

【Marketing Solution Business】 Establishment and expansion of the marketing solution business

Provision of effective marketing solutions in the midst of significant change of consumers' mindset due to SNS evolution and digital revolution

Priority measures

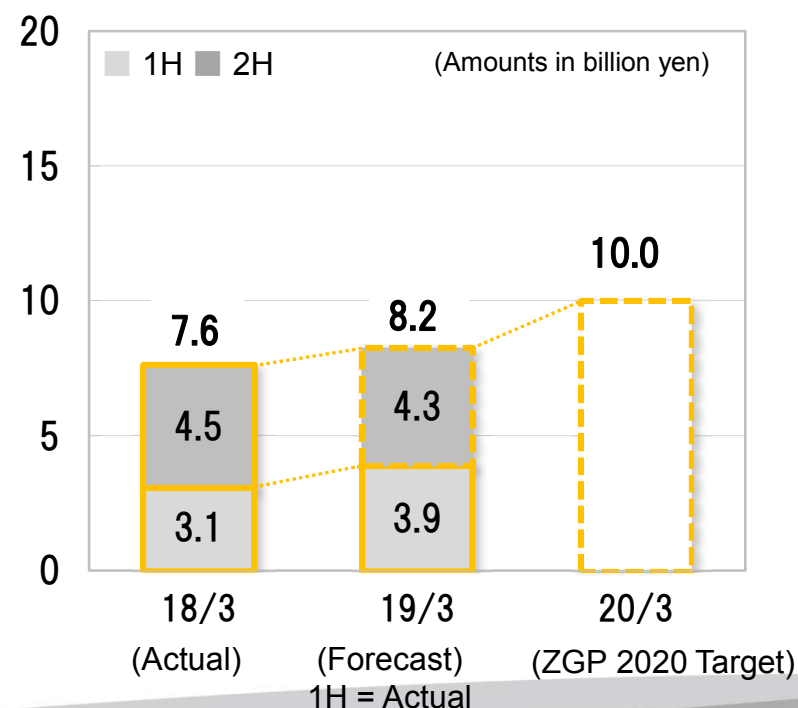
Create the marketing solution business and expand operations by using group resource

Plan marketing solution business

Improve the profitability of the general printing business

Maintain the profitability of direct promotion

< Second Quarter Progress >
Revenues increased due to the effects of DMS, a newly consolidated subsidiary from the 3rd quarter of the previous fiscal year



*Data for fiscal and fiscal 2020 are reclassified from the previous business composition.

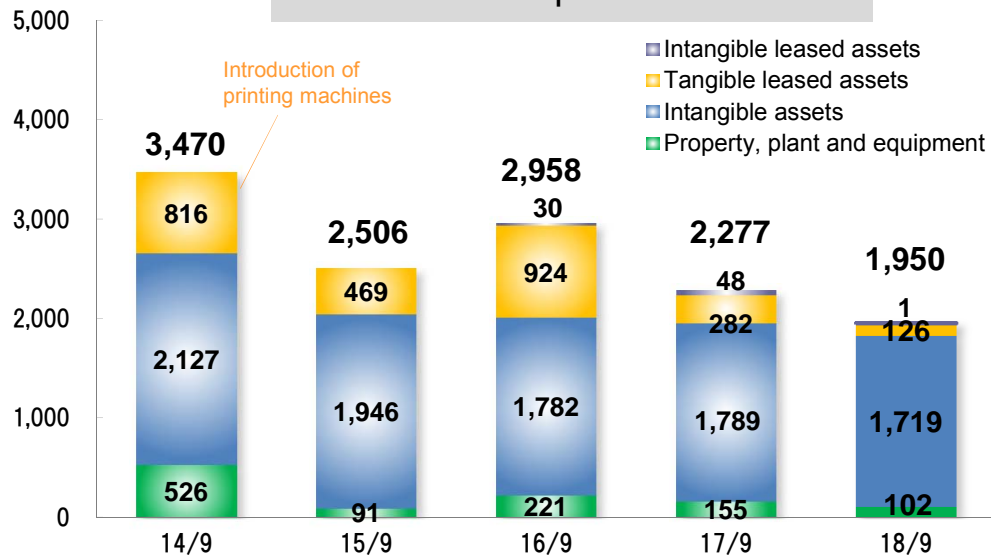
4. Appendix

- 1) Overview of Results for First 2 Quarters of Fiscal 2019
Amount of Capital Investment, Depreciation and R&D Costs
Changes in Composition of Net Sales by Quarter
Causes for Change in Operating Income (First Quarter, Second Quarter)
Purchase of Treasury Shares
- 2) Overview of Earnings Forecast for Fiscal 2019
(Excerpt from Briefing on Results for Fiscal 2018 presentation materials)
Changes in Net Sales, Income and Profit
Segment Information
Amount of Capital Investment, Depreciation and R&D Costs
Medium- to Long-Term Business Plan ZGP2020 Numerical Targets
- 3) Business Topics

4-1) Overview of Results for First 2 Quarters of Fiscal 2019

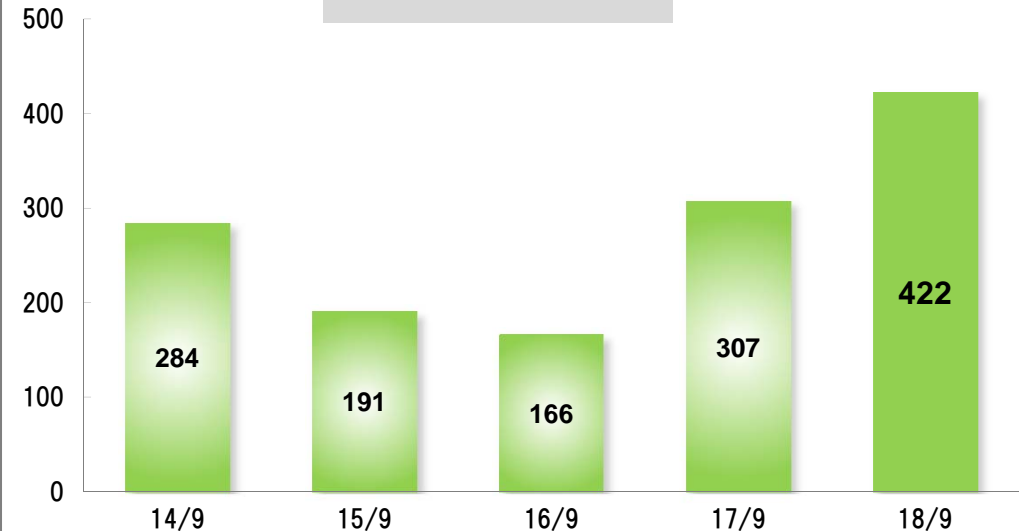
(Amount of Capital Investment, Depreciation and R&D Costs)

Amount of Capital Investment

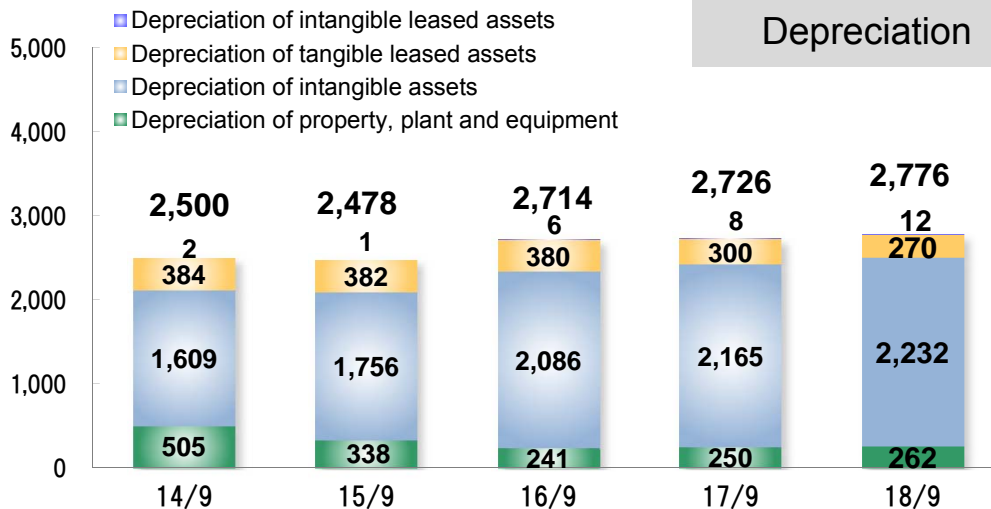


R & D Cost

(Amounts in million yen)



Depreciation



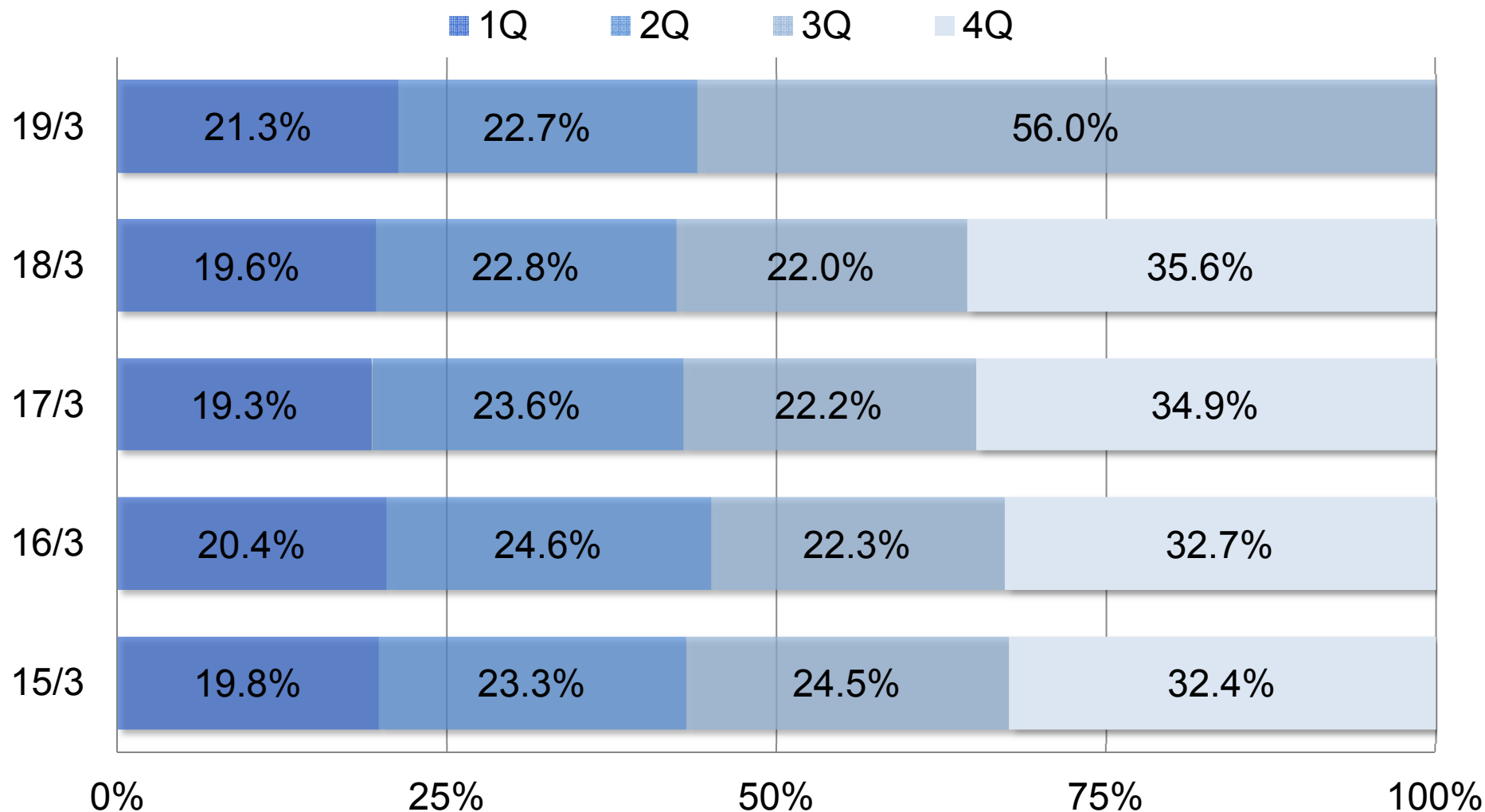
4-1) Overview of Results for First 2 Quarters of Fiscal 2019

ZENRIN

Maps to the Future

(Changes in Composition of Net Sales by Quarter)

Briefing on Results for First 2Qs of FY2019

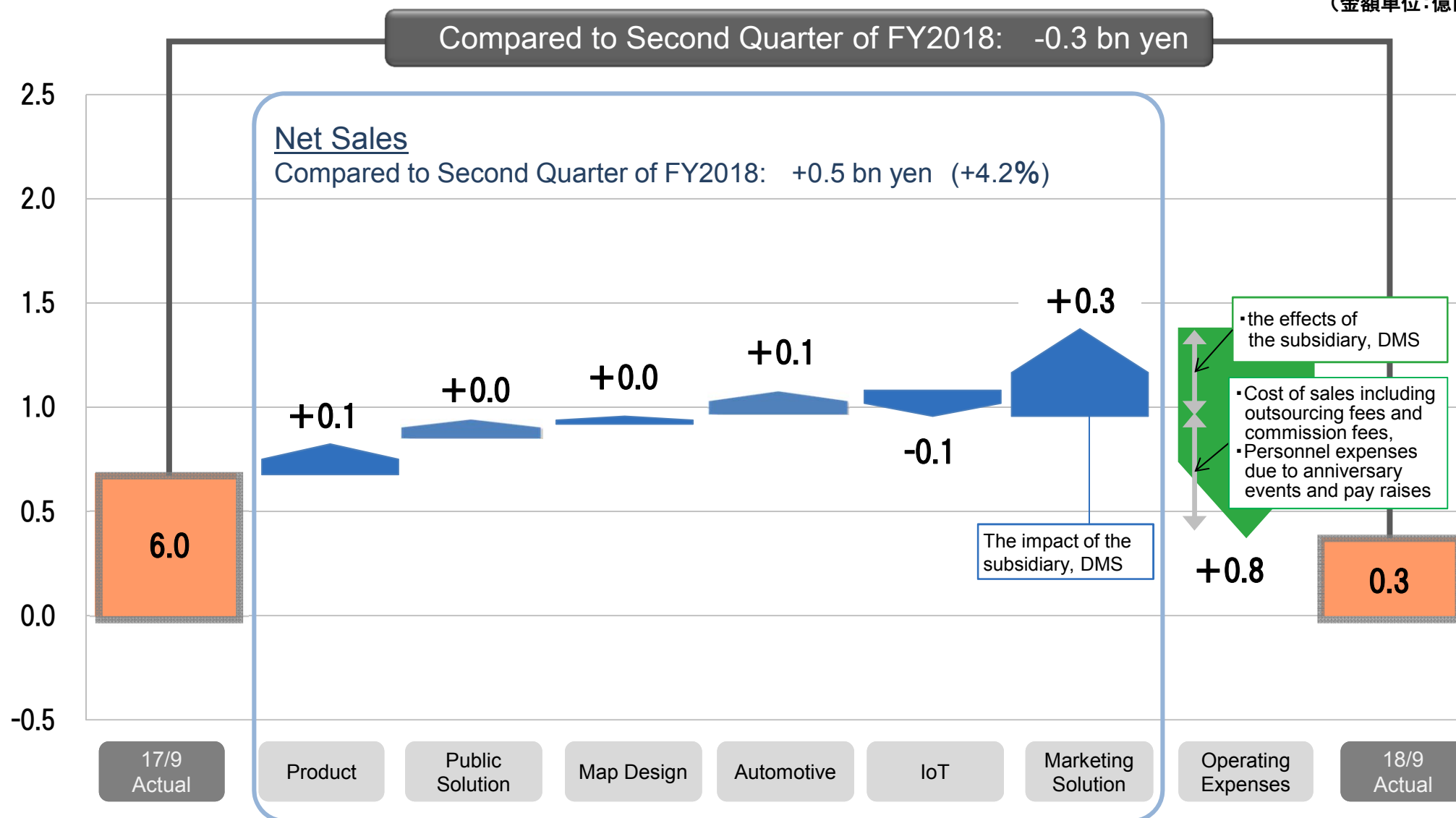


ZENRIN
Maps to the Future

(Amounts in billion yen)



4-1) Causes for Change in Operating Income (Second Quarter)



4-1) Purchase of Treasury Shares

Purpose

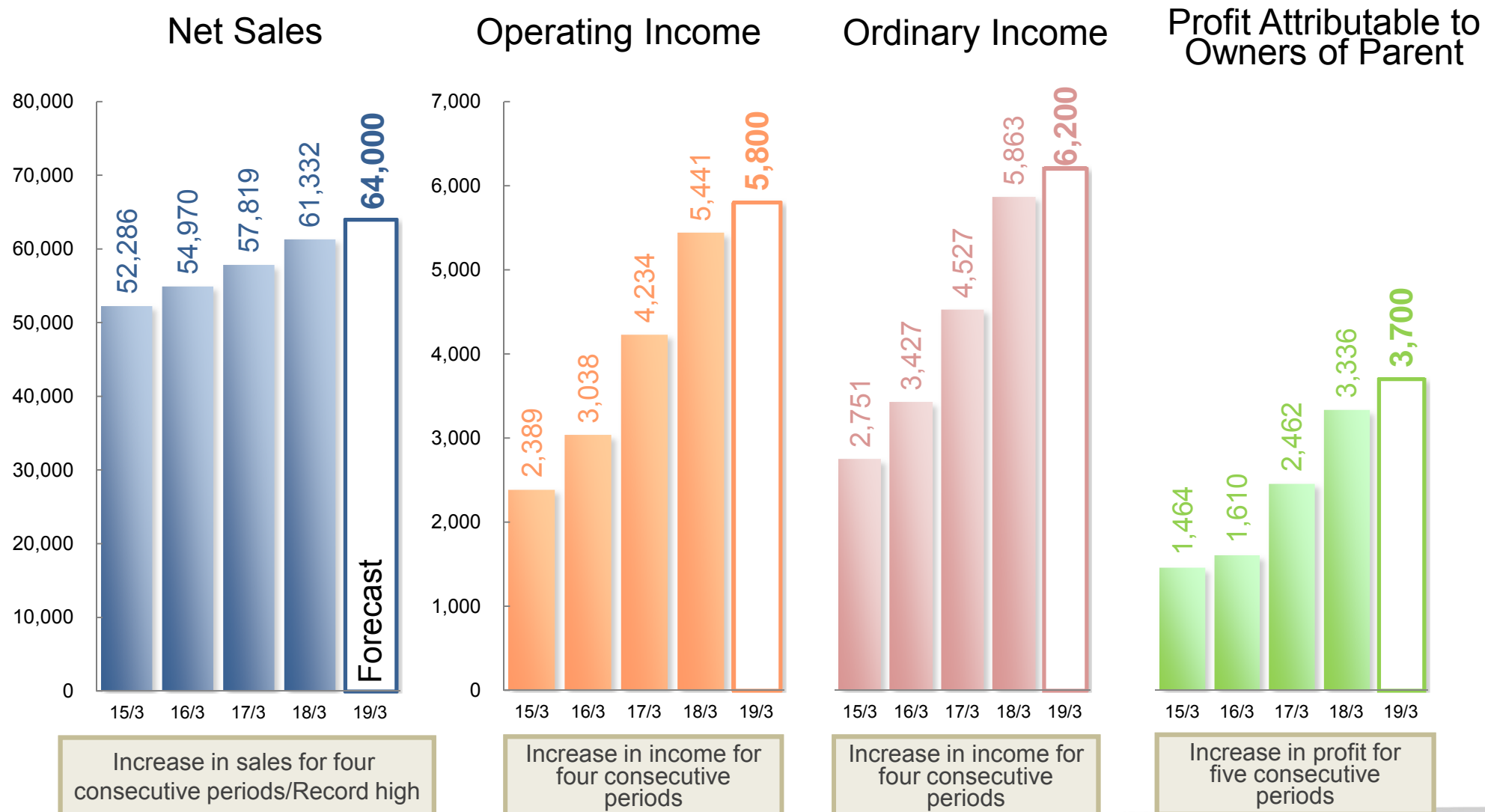
To Implement a flexible capital strategy, enhance capital efficiency and strengthen the return of profit to shareholders

Date of Board of Directors resolution	Details of resolution		Implementation status of acquisition
March 7, 2018	Period of purchase	March 8 to May 31, 2018	March 8 to May 31, 2018
	Number of shares acquired	3,450,000 shares (¥8 billion)	2,252,700 shares (¥5,143,267,000)
June 15, 2018	Period of purchase	June 19 to September 30, 2018	June 19 to September 20, 2018
	Number of shares acquired	600,000 shares (¥1.5 billion)	510,900 shares (¥1,499,893,068)

*Acquired through market purchase on the Tokyo Stock Exchange (Purchase via ToSTNeT-3)

*The acquisition period is on the basis of the execution date.

4-2) Overview of Earnings Forecast for Fiscal 2019 (Changes in Net Sales, Income and Profit)



4-2) Overview of Earnings Forecast for Fiscal 2019 (Segment Information)

Sales
Composition

83.5%

1. Map Database Segment

Main Items: Printed residential maps, residential map databases, map data for Japanese and overseas in-car navigation systems, services for smartphones, map data provision, etc. for various media/devices



6.4%

2. General Printing Segment

Main Items: Commercial printing



10.1%

3. Other

Main Items: Purchased products, digital signage, provision of Marketing Solution

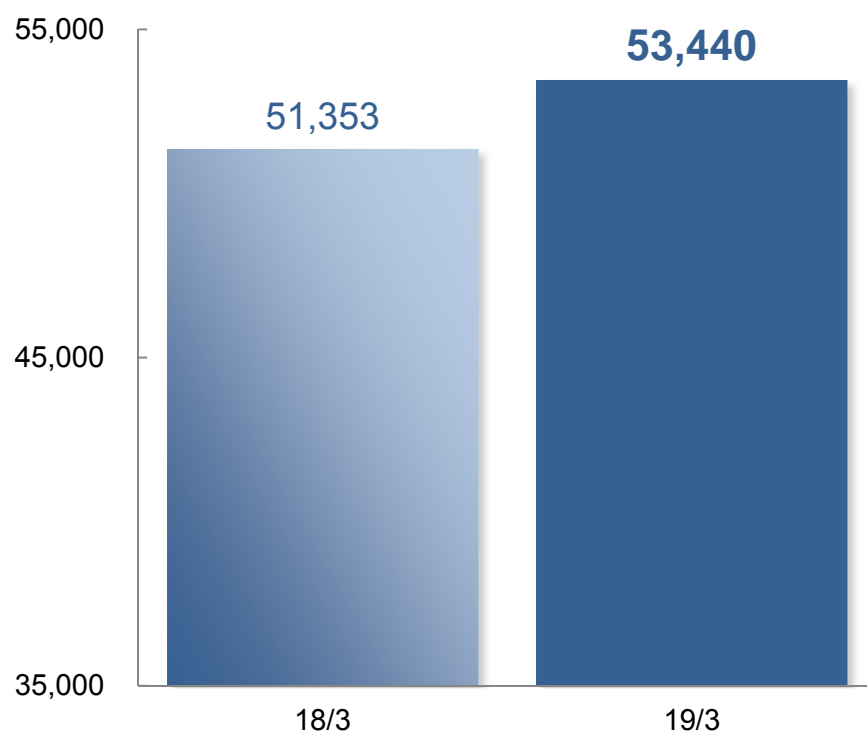


4-2) Overview of Earnings Forecast for Fiscal 2019 (Segment Information)

Net Sales

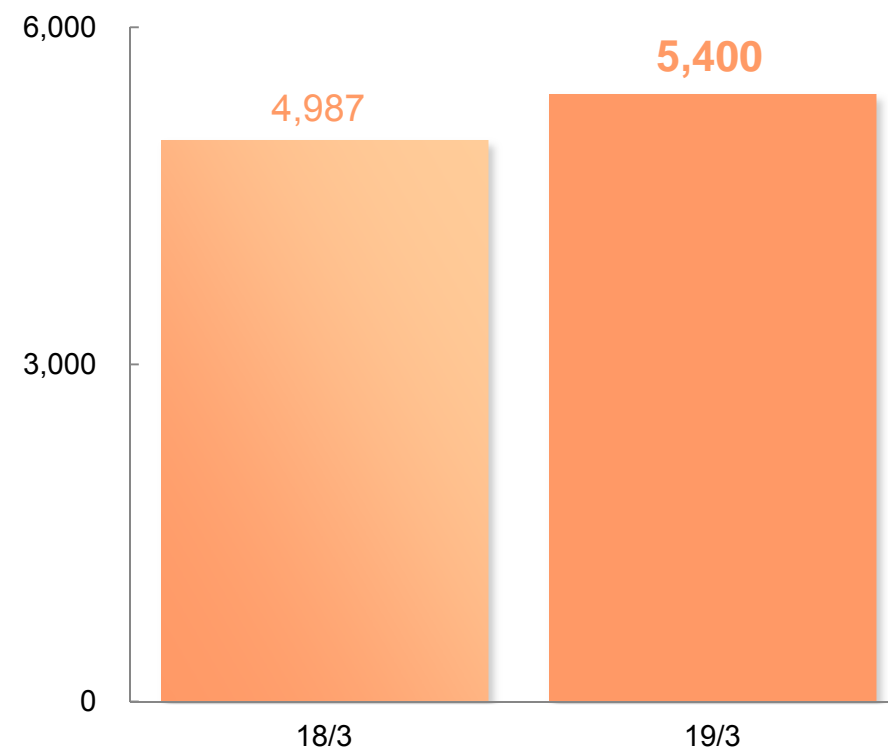
Compared
to FY2018

Up 2,086 (+4.1%)



Operating Income

Up 412 (+8.3%)



4-2) Overview of Earnings Forecast for Fiscal 2019 (Segment Information)

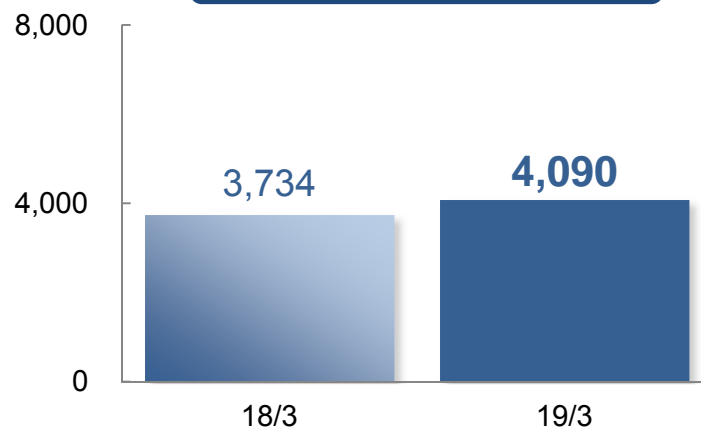
(Amounts in million yen)

General Printing Segment

Net Sales

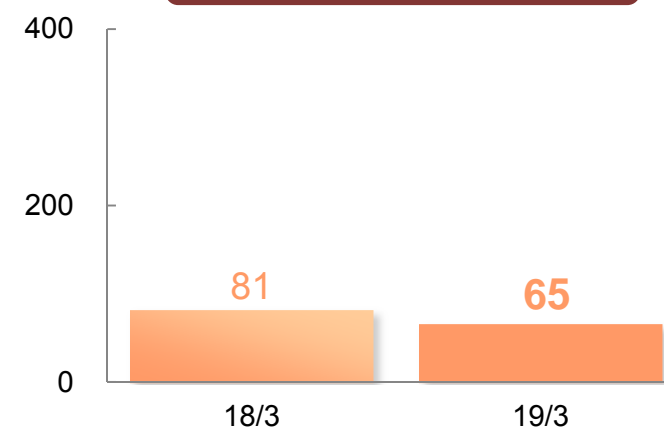
Compared to FY2018

Up 355 (+9.5%)



Operating Income

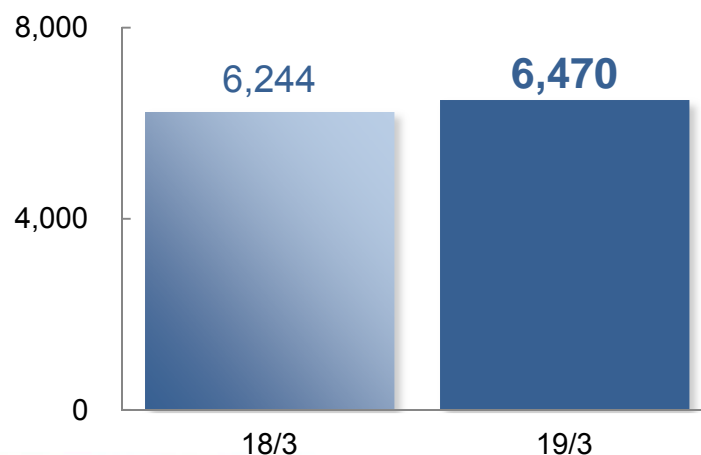
Down 15 (-19.2%)



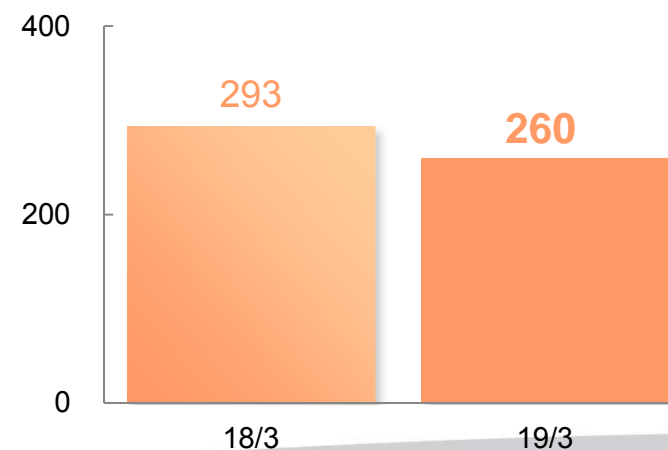
Other

Compared to FY2018

Up 225 (+3.6%)



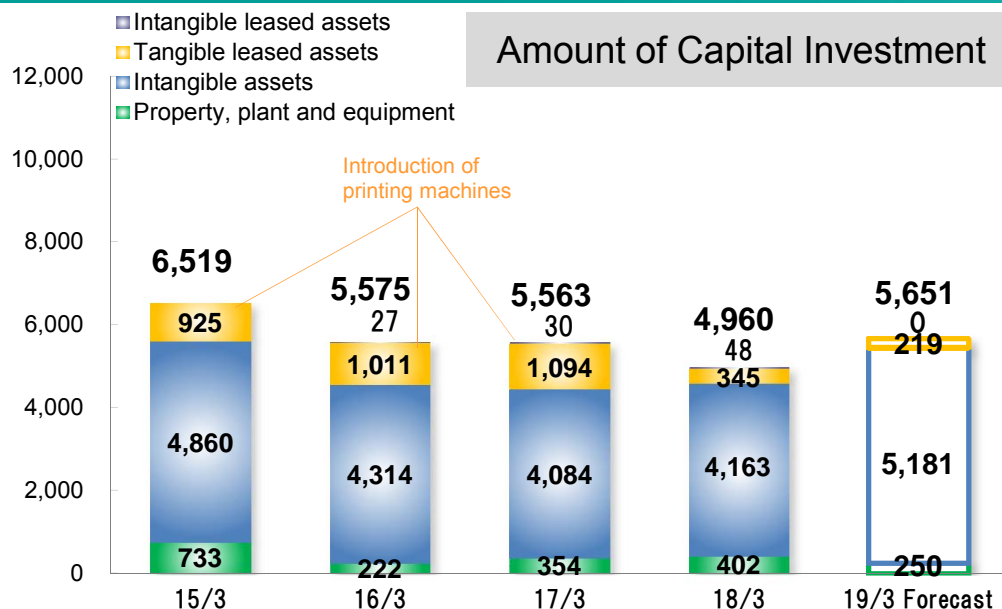
Down 33 (-11.3%)



4-2) Overview of Earnings Forecast for Fiscal 2019 (Amount of Capital Investment, Depreciation and R&D Costs)

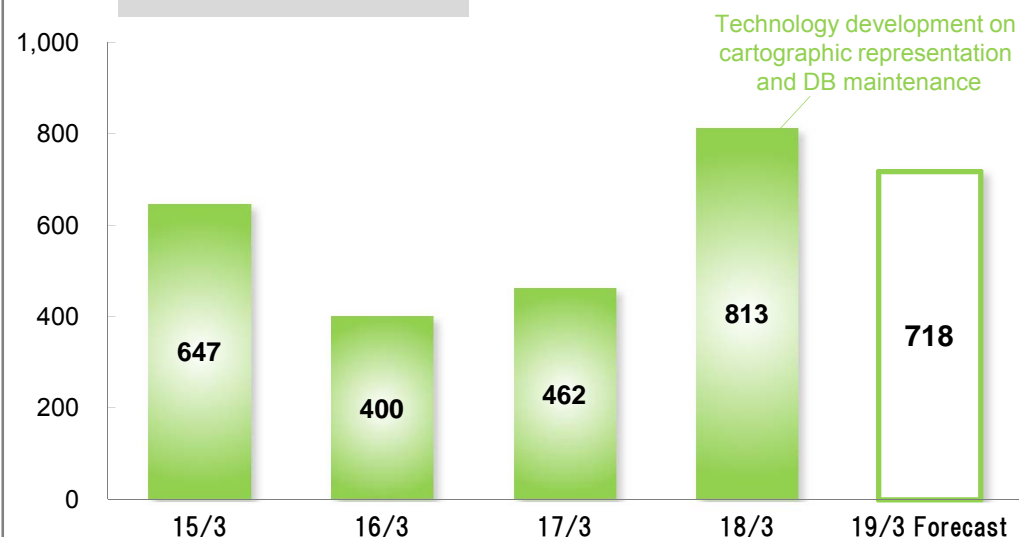
Briefing on Results for First 2Qs of FY2019

Amount of Capital Investment

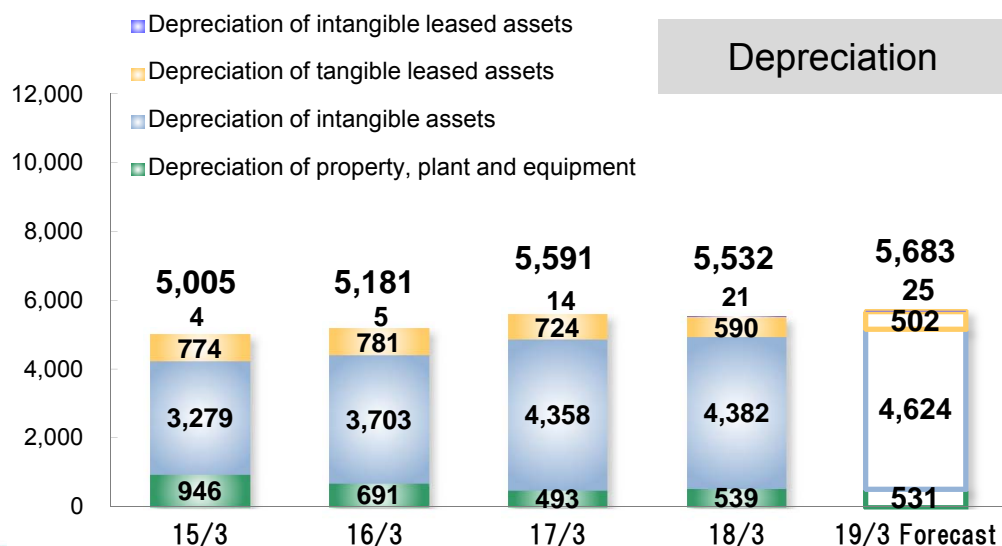


R & D Cost

(Amounts in million yen)



Depreciation



4-2) ZGP2020 Numerical Targets

	ZGP2020 Actuals and Targets				
	FY2016 Actual	FY2017 Actual	FY2018 Actual	FY2019 Forecast	FY2020 Target
Consolidated Net Sales	54.9 bn yen	57.8 bn yen	61.3 bn yen	64.0 bn yen	70.0 bn yen
Consolidated Operating Income (Margin)	3.0 bn yen (5.5%)	4.2 bn yen (7.3%)	5.4 bn yen (8.9%)	5.8 bn yen (9.1%)	10.0 bn yen (14.2%)
ROE (Return on equity)	4.0%	6.0%	8.2%	9.4%	12% or higher
DOE (Dividend on equity on a consolidated basis)	3.0%	3.1%	3.2%	3% or higher	3% or higher

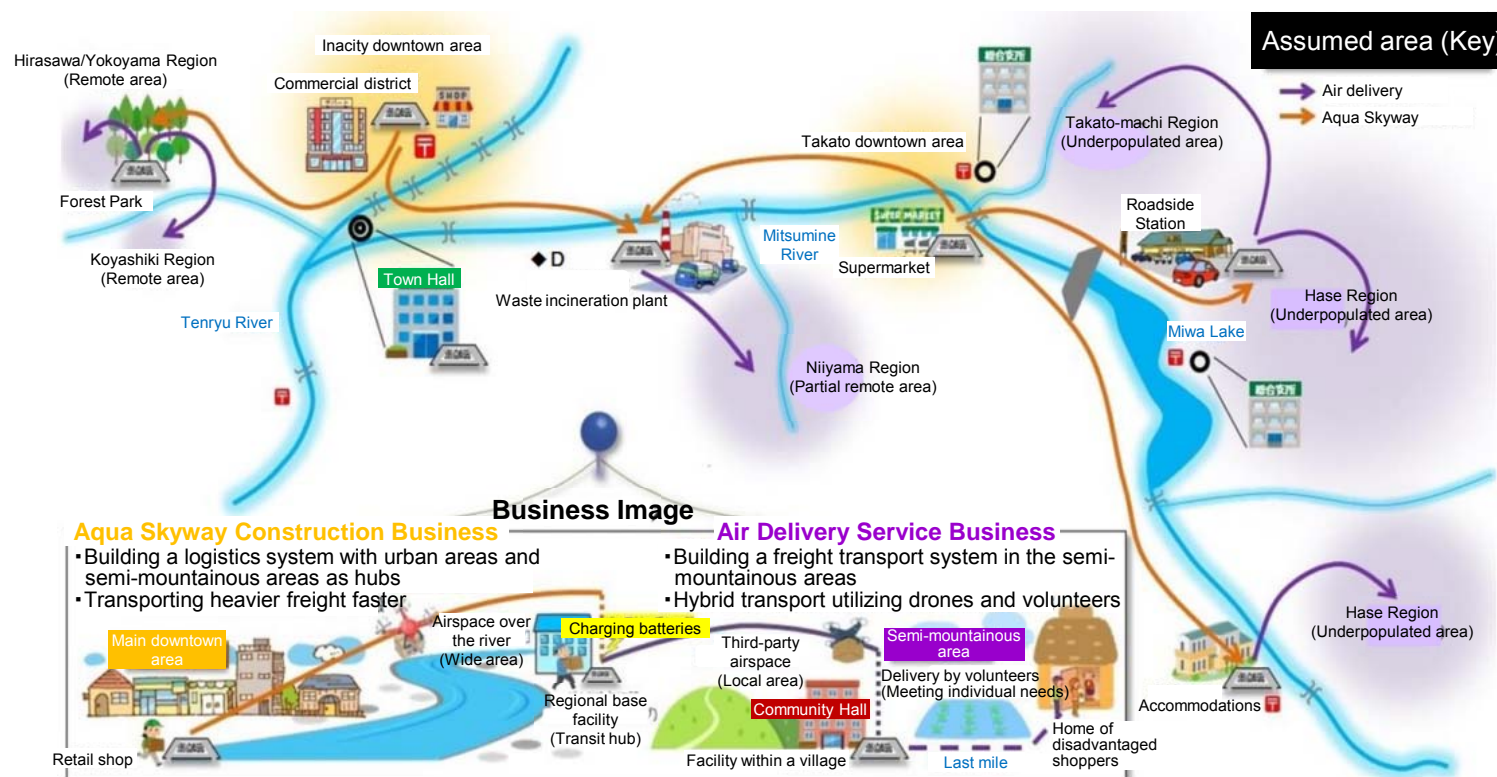
4-3) Business Topics

■ Cooperation with KDDI towards the commercialization of the Ina City drone logistics project (August 30, 2018)

Ina City of Nagano prefecture has started demonstrations towards the commercialization of Japan's first (*1) logistics that combine the construction of a new drone logistics system with airspace over rivers as trunk air routes and the formation of a supply chain through public-private partnership.

KDDI Corporation and Zenrin have been commissioned by Ina City to cooperate in this project towards its commercialization.

*1:
Commercialization of logistics that combine the construction of a new logistics system with drones using the airspace over rivers as trunk air routes and the formation of a supply chain comprising product procurement, promotion, ordering, delivery and payment settlement through the cooperation of companies, local volunteers and others (According to a survey conducted by the City of Ina as of August 30, 2018)



4-3) Business Topics

■ Exhibiting at various events

- Exhibited at “86th Tokyo International Gift Show Autumn 2018” (September 4 – 7)

Introduced map design goods including “mati mati,” the map stationery

- Exhibited at “25th ITS World Congress in Copenhagen 2018” (September 17 – 21)

Introduced the “Zenrin Map Eco-System” concept which enables the provision of updated maps and information in real time by coordinating and utilizing various IoT technologies from devices to big data, in order to realize recycling platforms and map solutions that are indispensable to a new mobility society.



- ZENRIN DataCom Co., Ltd. exhibited at “Big Data Utilization Fair Autumn” (October 24 – 26)

At ZENRIN DataCom’s booth at Japan’s largest specialized fair where every product and service from basic big data technology to utilization solutions is exhibited, we put on a display using examples of our various efforts on how “Location Intelligence” is actually used in business operations. “Location Intelligence” helps businesses by analyzing big data on various probe location information on automobile, trains and pedestrians.

ZENRIN

Maps to the Future

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