

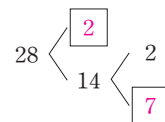
01 소인수분해

8~19쪽

- 001 1, 2, 소수 002 1, 2, 7, 14, 합성수
003 1, 19, 소수 004 1, 2, 4, 7, 14, 28, 합성수
005 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47
006 × 007 ○ 008 ○ 009 × 010 × 011 ②, ⑤
012 ③ 013 31, 37, 41, 43, 47 014 ③ 015 ④
016 ④

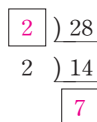
- 017 3, 4 018 7, 10 019 5, 1 020 $\frac{1}{2}$, 3 021 100, 5
022 3 023 5 024 4 025 3 026 2, 3 027 3, 2
028 5^4 029 10^5 030 $\left(\frac{1}{8}\right)^4$ 031 $\frac{1}{7^6}$ 032 $2^3 \times 5^2$
033 $3^4 \times 7^2$ 034 $\left(\frac{1}{5}\right)^2 \times \left(\frac{1}{4}\right)^3$
035 $\left(\frac{1}{2}\right)^2 \times \left(\frac{1}{3}\right)^2 \times \frac{1}{7}$ 036 $\frac{1}{7^2 \times 11^2 \times 13^2}$
037 3^3 038 10^4 039 $\left(\frac{1}{2}\right)^4$ 040 $\left(\frac{1}{11}\right)^2$
041 ⑤ 042 ① 043 7^3 044 36

045 방법 1

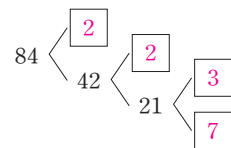


⇒ 28을 소인수분해 하면 $2^2 \times 7$

방법 2

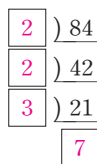


046 방법 1



⇒ 84를 소인수분해 하면 $2^2 \times 3 \times 7$

방법 2



- 047 $2^3 \times 3$, 소인수: 2, 3 048 $3^2 \times 5$, 소인수: 3, 5
049 $2^2 \times 13$, 소인수: 2, 13 050 $3 \times 5 \times 7$, 소인수: 3, 5, 7
051 $2^2 \times 3^2 \times 5$, 소인수: 2, 3, 5
052 5×7^2 , 소인수: 5, 7 053 ④ 054 ④ 055 ③
056 3 057 ③, ⑤ 058 ② 059 ④ 060 12
061 (1) 5 (2) 21 (3) 15 (4) 22 062 (1) $2^3 \times 3^3$ (2) 6
063 35 064 33 065 ④ 066 ③

×	1	3	3^2
1	1	3	9
2	2	6	18

⇒ 약수: 1, 2, 3, 6, 9, 18

×	1	2	2^2	2^3
1	1	2	4	8
7	7	14	28	56

⇒ 약수: 1, 2, 4, 7, 8, 14, 28, 56

×	1	5	5^2
1	1	5	25
2	2	10	50
2^2	4	20	100

⇒ 약수: 1, 2, 4, 5, 10, 20, 25, 50, 100

- 070 1, 2, 4, 8, 16 071 1, 3, 7, 9, 21, 63
072 1, 3, 5, 15, 25, 75
073 1, 2, 4, 7, 14, 28, 49, 98, 196
074 3, 2, 12 075 5 076 6 077 16 078 ④
079 ②, ⑤ 080 ㄱ, ㄷ, ㄹ 081 3개 082 12
083 ④ 084 ③ 085 ③ 086 1 087 ② 088 ①
089 ③ 090 ③, ⑤

- 091 ⑤ 092 ④ 093 7 094 ② 095 ① 096 ②
097 30 098 ③ 099 ④ 100 ⑤ 101 ② 102 ④
103 ①, ②

02 최대공약수와 최소공배수

20~31쪽

- 001 (1) 1, 2, 3, 4, 6, 12 (2) 1, 3, 5, 15 (3) 1, 3 (4) 3
002 (1) 1, 2, 3, 6, 9, 18 (2) 1, 3, 9, 27
(3) 1, 3, 5, 9, 15, 45 (4) 1, 3, 9 (5) 9
003 1, 7 004 1, 2, 4, 5, 10, 20
005 1, 2, 3, 4, 6, 9, 12, 18, 36
006 ○ 007 × 008 × 009 ○ 010 ③ 011 ⑤
012 16 013 ③ 014 ② 015 5개

- 016 $18 = 2 \times 3^2$
 $24 = 2^3 \times 3$
(최대공약수) = $2 \times 3 = 6$
017 $56 = 2^3 \times 7$
 $84 = 2^2 \times 3 \times 7$
(최대공약수) = $2^2 \times 7 = 28$
018 $45 = 3^2 \times 5$
 $60 = 2^2 \times 3 \times 5$
 $90 = 2 \times 3^2 \times 5$
(최대공약수) = $3 \times 5 = 15$

- 019 20 020 6 021 9 022 3 023 6 024 21
025 12 026 ② 027 ⑤ 028 ⑤ 029 64 030 ④
031 18

- 032 (1) 3, 6, 9, 12, 15, ... (2) 4, 8, 12, 16, 20, ...
(3) 12, 24, 36, 48, ... (4) 12
033 (1) 6, 12, 18, 24, 30, ... (2) 9, 18, 27, 36, 45, ...
(3) 18, 36, 54, 72, ... (4) 18
034 (1) 5, 10, 15, 20, 25, 30, ... (2) 10, 20, 30, 40, 50, ...
(3) 15, 30, 45, 60, 75, ... (4) 30, 60, 90, 120, ...
(5) 30
035 (1) 7, 14, 21, 28, 35, 42, ...
(2) 14, 28, 42, 56, 70, ...
(3) 21, 42, 63, 84, 105, ...
(4) 42, 84, 126, 168, ... (5) 42
036 6, 12, 18 037 11, 22, 33 038 13, 26, 39
039 20, 40, 60 040 10 041 63 042 42 043 300
044 ① 045 ③, ④ 046 192

$$\begin{aligned} 047 \quad 24 &= 2^3 \times 3 \\ 60 &= 2^2 \times 3 \times 5 \\ \text{(최소공배수)} &= 2^3 \times 3 \times 5 = 120 \end{aligned}$$

$$\begin{aligned} 048 \quad 36 &= 2^2 \times 3^2 \\ 90 &= 2 \times 3^2 \times 5 \\ \text{(최소공배수)} &= 2^2 \times 3^2 \times 5 = 180 \end{aligned}$$

$$\begin{aligned} 049 \quad 18 &= 2 \times 3^2 \\ 56 &= 2^3 \times 7 \\ 84 &= 2^2 \times 3 \times 7 \\ \text{(최소공배수)} &= 2^3 \times 3^2 \times 7 = 504 \end{aligned}$$

- 050 36 051 540 052 1400 053 18 054 210 055 140
056 120 057 1, 1, 2, 2 058 4, 4, 2, 2 059 ④
060 ④ 061 ⑤ 062 ① 063 2개 064 ② 065 ③
066 14 067 ③ 068 6 069 ⑤ 070 ④ 071 ②
072 2개

- 073 ⑤ 074 ④ 075 ③ 076 24 077 ① 078 ⑤
079 ③ 080 ② 081 ① 082 1 083 ④ 084 ③

03 정수와 유리수

32~45쪽

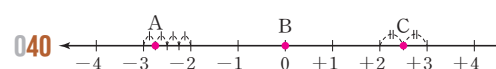
- 001 +5시간 002 -2% 003 +4 m
004 -300 m 005 +, - 006 -1층, +2층
007 +23점, -7점 008 +12명, -19명
009 +4, 양수 010 -6, 음수 011 $+\frac{5}{4}$, 양수
012 -0.9, 음수 013 +8, $+\frac{2}{5}$ 014 -3.6, -4
015 ④ 016 ⑤ 017 ③

- 018 $9, +\frac{6}{3}$ 019 -2 020 $9, +\frac{6}{3}, -2, 0$
021 $9, +\frac{6}{3}, 5.4, \frac{2}{9}$ 022 -1.9, $-\frac{1}{7}, -2$
023 -1.9, $-\frac{1}{7}, 5.4, \frac{2}{9}$ 024 ○ 025 ○ 026 ×
027 × 028 ② 029 3개 030 ⑤ 031 ③ 032 5
033 ④ 034 ③

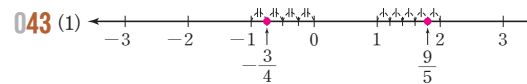
- 035 -4, -2, 0, +2

- 036 A: -3, B: $-\frac{1}{2}$, C: +1, D: $+\frac{7}{2}$

- 037 A: $-\frac{5}{2}$, B: -1, C: $+\frac{5}{3}$, D: +3



- 041 ③ 042 ①



- (2) $a = -1, b = 2$

- 044 1 045 ④ 046 $a = -2, b = 10$

- 047 1 048 6 049 9.3 050 7 051 $\frac{4}{9}$ 052 0

- 053 +4, -4 054 $+\frac{1}{3}, -\frac{1}{3}$ 055 +1.4, -1.4

- 056 -3 057 $+\frac{7}{5}$ 058 -0.1 059 × 060 ○

- 061 × 062 2, 4, -4, +4, +4, -4

- 063 +5, -5 064 +6, -6 065 $\frac{3}{5}, -\frac{3}{5}$

- 066 ⑤ 067 $a = \frac{7}{4}, b = 5$ 068 ④ 069 ① 070 ②

- 071 $-\frac{9}{2}$ 072 ⑤ 073 ② 074 7, -7 075 ②

076 (1) 6 (2) $a = -3, b = 3$ 077 $-3, -2, -1, 0, 1, 2, 3$
078 ③, ④ 079 ①

080 $<$ 081 $>$ 082 $<$ 083 $>$ 084 6, $<$

085 $-\frac{21}{9}, >$ 086 11, 15, $<$ 087 $\geq$

088 $x > -2$ 089 $x \leq 7.5$ 090 $\leq, <$

091 $-\frac{1}{2} < x \leq \frac{3}{2}$ 092 $-11 \leq x < -9$ 093 ⑤

094 $|- \frac{21}{4}|, -1$ 095 ④ 096 ③ 097 $\perp, \sqsubset$

098 (1) 1, 2, 3, 4, 5 (2) $-2, -1, 0, 1, 2, 3$ (3) 4

099 -2

100 ⑤ 101 ② 102 ① 103 ⑤ 104 ① 105 20
106 ③ 107 ④ 108 9 109 ② 110 ④ 111 ②

04 정수와 유리수의 계산

46~71쪽

001 -4 002 $+3$ 003 $+, 6, +, 7$ 004 -9 005 $+\frac{5}{3}$

006 $-\frac{5}{8}$ 007 $+3.2$ 008 -5.9 009 -2

010 $+, 3, +, 3$ 011 $+5$ 012 $-\frac{11}{5}$ 013 $+\frac{1}{6}$

014 -4.1 015 -0.8 016 $+\frac{23}{10}$

017 교환, 결합 018 교환, 결합, $-1, +\frac{3}{2}$ 019 -5

020 $+\frac{1}{2}$ 021 -1 022 ① 023 ⑤ 024 ④ 025 $+\frac{9}{5}$

026 ㉠ 덧셈의 교환법칙, ㉡ 덧셈의 결합법칙 027 ③

028 $-, 5, -, 5, -, 1$ 029 $+8$ 030 $+\frac{2}{7}$

031 $-\frac{11}{12}$ 032 -3.4 033 $-\frac{7}{10}$

034 $+, 13, +, 13, +, 20$ 035 -10 036 $+1$ 037 $-\frac{5}{9}$

038 $+7.4$ 039 $-\frac{3}{2}$ 040 ④ 041 ② 042 ③

043 ④ 044 $-\frac{17}{2}$ 045 대전

046 $-7, -7, -13, -12$ 047 $+9$ 048 $+4$ 049 -15

050 $+\frac{17}{10}$ 051 $+\frac{3}{8}$ 052 -3.2 053 $+1.5$

054 $+8, -8, -8, -8, -1$ 055 -5 056 9 057 $-\frac{1}{3}$

058 $\frac{1}{4}$ 059 11.6 060 -1.9 061 ① 062 -6

063 ⑤ 064 ② 065 ⑤ 066 -21 067 ④ 068 $\frac{55}{8}$

069 ① 070 (1) -6 (2) -17 071 $-\frac{7}{3}$ 072 ⑤

073 ⑤ 074 $a = \frac{3}{4}, b = \frac{1}{8}$ 075 ② 076 -2 077 ②

078 -3 079 ④ 080 ③

081 $+, 4, +, 8$ 082 $+15$ 083 $+4$ 084 $+1.6$

085 $-, 5, -, 30$ 086 -56 087 -1.3 088 $-\frac{2}{5}$

089 교환, 결합 090 교환, 결합, $+\frac{2}{5}, +8$ 091 $+24$

092 $+65$ 093 -3 094 $+, +, 24$ 095 -210

096 -90 097 $+\frac{3}{5}$ 098 $+\frac{9}{4}$ 099 $-\frac{1}{2}$ 100 $+120$

101 -5 102 ④ 103 $\sqsubset, \sqsupset, \sqsubset, \sqsupset$ 104 $\frac{1}{15}$

105 ㉠ 곱셈의 교환법칙, ㉡ 곱셈의 결합법칙 106 ②

107 (가) 교환 (나) 결합 (다) $+10$ (라) 90

108 $-, 8$ 109 36 110 25 111 -1 112 1600 113 $\frac{4}{9}$

114 $-\frac{1}{32}$ 115 $\frac{1}{64}$ 116 $-\frac{1}{49}$ 117 $-\frac{5}{2}$

118 12, 60, 180 119 -14 120 1648 121 23

122 $-4, -4, -400$ 123 20 124 8 125 150

126 ② 127 ① 128 $\frac{9}{2}$ 129 ① 130 0 131 ①

132 ④ 133 1562 134 ③

135 $+, 8, +, 2$ 136 $+5$ 137 $+6$ 138 $+3$ 139 $+7$

140 $+5$ 141 $-, 9, -, 3$ 142 -9 143 -12 144 -8

145 -7 146 0 147 $\frac{8}{3}$ 148 $-\frac{4}{5}$ 149 $\frac{1}{2}$ 150 -1

151 $-\frac{1}{9}$ 152 $\frac{5}{3}$ 153 $-\frac{10}{13}$ 154 $\frac{5}{11}$

155 $-\frac{5}{6}, -10$ 156 $\frac{1}{10}$ 157 $-\frac{2}{7}$ 158 $\frac{1}{12}$ 159 -4

160 $\frac{1}{6}$ 161 ④ 162 $-\frac{2}{3}$ 163 ① 164 $a = -5, b = \frac{7}{2}$

165 ② 166 6 167 -1

168 $-\frac{1}{4}, +, \frac{1}{4}, +, 5$ 169 -6 170 $\frac{1}{2}$ 171 $-\frac{1}{14}$

172 $-\frac{15}{16}$ 173 7 174 -42 175 $\frac{1}{3}$ 176 $-\frac{11}{2}$

177 $\frac{4}{3}$ 178 $\frac{1}{4}$ 179 -9 180 3 181 -3 182 $\frac{2}{3}$

183 0 184 $-\frac{7}{5}$ 185 $\frac{11}{2}$ 186 -7 187 ① 188 $-\frac{1}{3}$

189 $-\frac{3}{4}$ 190 $-\frac{1}{6}$ 191 ③ 192 (1) $\frac{3}{2}$ (2) $-\frac{1}{2}$

193 $\frac{9}{10}$ 194 ② 195 (1) $\ominus, \oplus, \ominus, \oplus$ (2) 7

196 $-\frac{2}{3}$ 197 ① 198 12점 199 ② 200 ⑤ 201 ②

202 ④ 203 ① 204 ⑤ 205 ③ 206 ④ 207 $-\frac{5}{3}$

208 ⑤ 209 ② 210 ① 211 ③ 212 ② 213 90

214 ⑤ 215 ③ 216 ② 217 ⑤ 218 ② 219 -3

220 ⑤

05 문자의 사용과 식

74~93쪽

001 1200, a 002 5000, 700, x 003 60, x

004 4000, 4000, a 005 $(x+3)$ 세 006 $10 \times x + y$

007 $(y \div 10)$ 원 008 $(a \times 3)$ cm 009 $(x \times 4)$ km

010 $-10a$ 011 $0.1x$ 012 $-ab$

013 x^2y^3 014 $\frac{1}{3}(a+b)$ 015 $2a+3b$

016 $\frac{5}{a}$ 017 $-\frac{a+b}{2}$ 018 $2x+y$

019 $-\frac{8}{x-7y}$ 020 $\frac{3}{a}-b$ 021 $y, z, \frac{x}{yz}$

022 $3x-\frac{b}{2}$ 023 $-\frac{ab}{6}$ 024 $\frac{ac}{b}$

025 $\frac{x(y-1)}{z}$ 026 $-2, a$ 027 $x \times x \times y$

028 $5 \times a \times (b+2)$ 029 3, a 030 $(x-y) \div 5$

031 $(-4) \div (a+b)$ 032 ③, ⑤

033 $4x^2 - \frac{1}{4}(x+y)$ 034 ④ 035 ⑤ 036 $\sqsubset, \sqsupset$

037 $\times, \times, \div$ 038 ④ 039 ⑤ 040 $\sqsubset$ 041 ②

042 ⑤ 043 ①, ⑤ 044 $6a+8b$ 045 ⑤

046 7 047 -8 048 3 049 5 050 $-4, -3$

051 16 052 -5 053 2 054 $\frac{1}{2}, 2, 12$ 055 $\frac{17}{2}$

056 4 057 -3 058 2 059 19 060 2 061 ①

062 ② 063 ⑤ 064 ② 065 ④ 066 1 067 346 m

068 ⑤ 069 ③ 070 (1) $2(a+b)$ cm² (2) 24 cm²

071 (1) 0.45h cm (2) 72 cm

072 (1) $(30000-1200x)$ 원 (2) 24000원

073	다항식	항	상수항
(1)	$5x+1$	$5x, 1$	1
(2)	$2x-8y+\frac{1}{3}$	$2x, -8y, \frac{1}{3}$	$\frac{1}{3}$
(3)	$9x^2+3y-5$	$9x^2, 3y, -5$	-5
(4)	$\frac{x^2}{7}-5y-2$	$\frac{x^2}{7}, -5y, -2$	-2

074	다항식	계수
(1)	$2x+y$	x 의 계수: 2 y 의 계수: 1
(2)	$-6x^2+2y-9$	x^2 의 계수: -6 y 의 계수: 2
(3)	$-y+y^2+1$	y^2 의 계수: 1 y 의 계수: -1
(4)	$\frac{a}{4}-3b+11$	a 의 계수: $\frac{1}{4}$ b 의 계수: -3

075 1 076 1 077 1 078 2 079 3 080 ○

081 $\times$ 082 ○ 083 $\times$ 084 3개 085 ⑤ 086 ②

087 ④ 088 ①, ③ 089 -10

090 $-12a$ 091 $40a$ 092 $32x$ 093 $-6y$

094 $\frac{1}{7}, \frac{1}{7}, 3$ 095 $-5x$ 096 $49x$ 097 $-\frac{2}{3}a$

098 3, 3, 3, 6 099 $6a+8$ 100 $-4a+6$

101 $4a-8$ 102 $3b+18$ 103 $-3y-1$

104 $\frac{1}{8}, \frac{1}{8}, \frac{1}{8}, 2, \frac{1}{2}$ 105 $-2b-4$

106 $\frac{1}{3}a-\frac{1}{6}$ 107 $24a+15$ 108 $5a-30$

109 $-4y+10$ 110 ③ 111 7 112 ④

113 x 와 $-2x$ 114 $5a$ 와 $-4a, -6$ 과 2

115 $-2y$ 와 $-4y$ 116 $2a^2$ 과 $3a^2$

117 $-5y$ 와 $y, 2x$ 와 $-x$ 118 3, 7 119 $8a$ 120 $7x$

121 $5b+11$ 122 $-3x+y$ 123 2, 3, 2, 3, 6, 6

124 $4y-5$ 125 $x-2$ 126 $3a+11$

127 $2x-1$ 128 7, 5, 7, 5, $-9, 6$ 129 $8a$

130 $-3b-8$ 131 $2y+4$ 132 $x-42$

133 $x, x, 1, x, 1, 3, 1$ 134 $2x+12$

135 $-2x+5$ 136 2, 10, 4, 13, 1, $\frac{13}{6}, \frac{1}{6}$

137 $-\frac{1}{6}x-\frac{17}{12}$ 138 $\frac{1}{2}x-\frac{2}{9}$ 139 ④ 140 ②

141 ③ 142 ④ 143 ② 144 ⑤ 145 $9x-7$

146 ② 147 ③ 148 $-\frac{x}{6}-\frac{1}{2}$ 149 ③

150 $4x+16$ 151 $20x+24$ 152 ④ 153 ①

154 ② 155 $x+5$ 156 ⑤ 157 ③

158 (1) $4x+3$ (2) $x+7$

159 ① 160 ⑤ 161 ② 162 -8 163 ③

164 (1) $48-3a$ (2) 39 165 ③, ⑤ 166 ④

167 ② 168 -28 169 ③ 170 ③ 171 ④ 172 ③

173 ④ 174 ⑤ 175 $16x-15$

06 일차방정식

94~107쪽

- 001 × 002 ○ 003 × 004 ○ 005 ○ 006 ×
007 $x+4$, 10 008 $3x-2=7$ 009 $300x=2400$
010 $3x=12$ 011 ○ 012 × 013 ×
014 $x=-2$ 015 $x=1$ 016 $x=-1$
017 $x=0$ 018 × 019 ○ 020 × 021 ○
022 ①, ⑤ 023 ② 024 ② 025 $2x-1=x+5$
026 ④ 027 ③ 028 ④ 029 $x=-1$ 030 ⑤
031 ④ 032 8 033 ① 034 ③

- 035 ○ 036 ○ 037 ○ 038 × 039 × 040 ○
041 $x=7$ 042 $x=5$ 043 $x=12$ 044 $x=-3$
045 5, 4, 2, 2 046 ㄱ, ㄴ, ㄷ 047 ④ 048 8
049 ㄱ) - ㄱ, ㄴ) - ㄷ 050 ㄱ) 4 ㄴ) -1 ㄷ) 2 ㄹ) -2

- 051 $2x=9-3$ 052 $7x+4x=55$
053 $6x-10x=-8+5$ 054 ○ 055 ○ 056 ×
057 $x=3$ 058 $x=-5$ 059 $x=-\frac{3}{2}$ 060 $x=2$

- 061 $x=2$ 062 $x=-4$ 063 $x=\frac{1}{3}$
064 $0.2x-0.9=0.4x-0.1$ 양변에 10을 곱하면
 $2x-9=4x-1$
 $2x-4x=-1+9$
 $-2x=8$
 $\therefore x=-4$

- 065 $x=6$ 066 $x=-7$ 067 $x=39$

- 068 $\frac{2x+1}{3} + \frac{x-1}{2} = 1$ 양변에 분모의 최소공배수 6을 곱하면
 $2(2x+1) + 3(x-1) = 6$
 $4x+2+3x-3=6$
 $7x=6+1$
 $\therefore x=1$

- 069 $x=40$ 070 $x=-\frac{5}{3}$ 071 $x=1$

- 072 ② 073 ② 074 ③ 075 ②, ④ 076 ②

- 077 ⑤ 078 ① ③ ② $x=3$ 079 7 080 ④

- 081 ⑤ 082 ③ 083 ㄱ) 12 ㄴ) 12 ㄷ) 3 ㄹ) 5 ㅁ) 1

- 084 ③ 085 $x=\frac{8}{9}$ 086 ㄱ, ㄴ, ㄷ, ㄹ 087 ②

- 088 $\frac{1}{2}$ 089 ③ 090 ① 091 ⑤ 092 $x=3$

- 093 ① $x=-3$ ② 3 094 2 095 ⑤

- 096 ④ 097 ④ 098 44 099 ⑤ 100 ③ 101 ③

- 102 ⑤ 103 ⑤ 104 ③, ④ 105 ③ 106 ①

- 107 ② 108 10

07 일차방정식의 활용

108~121쪽

- 001 $x+1$, 49, 49, 50, 99
002 $12-x$, $12-x$, 8, 8, 4, 8, 4
003 $45+x$, $13+x$, $45+x$, $13+x$, 3, 3, 3, 48, 16

가장 작은 수	가운데 수	가장 큰 수
$x-1$	x	$x+1$

⇒ 일차방정식: $(x-1)+x+(x+1)=57$

- (2) $x=19$ (3) 18, 19, 20

	승아의 저금통	태오의 저금통
현재 금액	6500원	2000원
x 일 동안 저금한 금액	300 x 원	600 x 원
x 일 후 금액	(6500+300 x)원	(2000+600 x)원

⇒ 일차방정식: $6500+300x=2000+600x$

- (2) $x=15$ (3) 15일 후

- 006 ① $5x+12$, $8x-9$ ② $5x+12=8x-9$ (3) 7

- 007 ① $\frac{1}{6}$, $\frac{1}{6}$ ② $(\frac{1}{3}+\frac{1}{6})x=1$ (3) 2일

- 008 16 009 12 010 ② 011 30, 31 012 ④

- 013 ⑤ 014 ③ 015 ① ⑤ ② 58 016 ④ 017 ①

- 018 45 019 ① 020 ③ 021 280명 022 ⑤

- 023 10년 전 024 ① 025 12개월 후 026 ②

- 027 ③ 028 13 cm 029 ① 030 50 cm

- 031 ① 032 ④ 033 36장 034 ⑤ 035 ② 036 ③

	갈 때	올 때
거리	x km	x km
속력	시속 3 km	시속 2 km
시간	$\frac{x}{3}$ 시간	$\frac{x}{2}$ 시간

⇒ 일차방정식: $\frac{x}{3} + \frac{x}{2} = 5$

- (2) $x=6$ (3) 6 km

	동생	언니
속력	분속 50 m	분속 70 m
시간	$(x+10)$ 분	x 분
거리	$50(x+10)$ m	$70x$ m

⇒ 일차방정식: $50(x+10)=70x$

- (2) $x=25$ (3) 25분 후

- 039 $\frac{18}{5}$ km 040 ① 041 ④ 042 4 km

- 043 ② 044 ① 3 km ② 45분 045 ⑤

- 046 2시간 후 047 ⑤ 048 20분 후 049 ①

- 050 ④

	남학생	여학생
작년 학생 수	$820-x$	x
증가/감소	3% 증가	7% 감소
변화량	$+\frac{3}{100}(820-x)$	$-\frac{7}{100}x$

- (2) $\frac{3}{100}(820-x) - \frac{7}{100}x = -12$

- (3) 366

- 052 ① $\frac{23}{20}x$ 원 ② $\frac{23}{20}x=6900$ (3) 6000원

- 053 ① $\frac{13}{10}x$ 원 ② $\frac{13}{10}x-300=4900$ (3) 4000원

- 054 1000 055 ② 056 ③ 057 11000원 058 ①

- 059 ① 2000원 ② 2500원

- 060 ② 061 ④ 062 ① 063 ⑤ 064 25 065 ③

- 066 ③ 067 2 km 068 ② 069 ② 070 ④

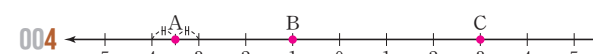
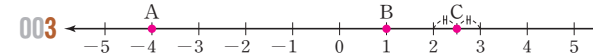
- 071 ①

08 좌표와 그래프

124~137쪽

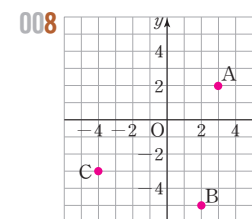
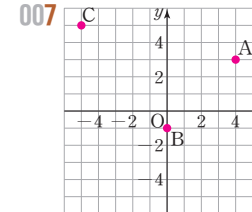
- 001 -5, 0, 2, 4

- 002 A(-3), B(-1), C(1), D($\frac{10}{3}$)

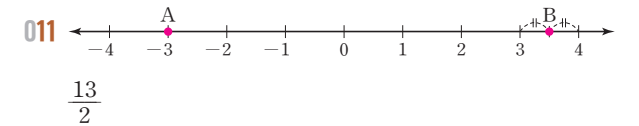


- 005 3, 4, 1, -2, -3, -3, -5, 2

- 006 A(0, 1), B(3, 0), C(-2, -4), D(-2, 3)



- 009 ④ 010 4



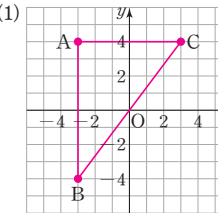
- 012 $a=1$, $b=4$ 013 ①

- 014 (-1, -3), (-1, 3), (1, -3), (1, 3) 015 ③

- 016 오늘도 파이팅 017 ⑤ 018 ② 019 ①

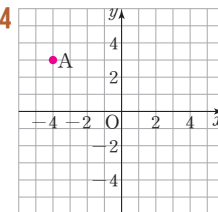
- 020 A(-6, 0), B(0, 1)

- 021 ① (2) 24

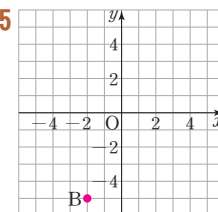


- 022 ④ 023 20

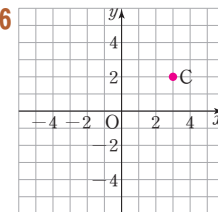
- 024 제2사분면



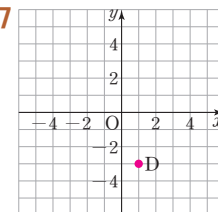
- 025 제3사분면



- 026 제1사분면



- 027 제4사분면



- 028 ㄱ, ㄷ 029 ㄷ 030 ㄴ, ㄷ, ㅁ 031 1

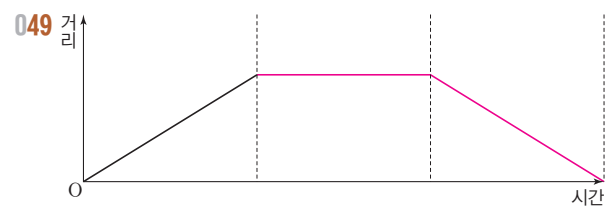
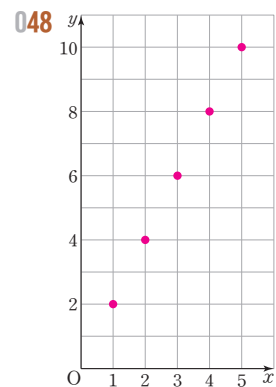
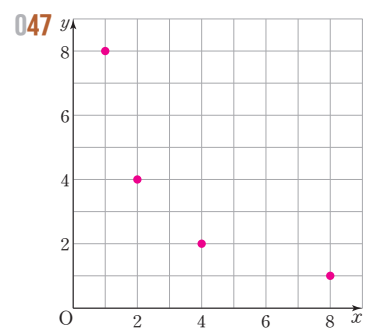
- 032 +, -, 제4사분면 033 -, +, 제2사분면

- 034 -, -, 제3사분면 035 ⑤ 036 ③ 037 ⑤

- 038 제4사분면 039 제3사분면 040 ② 041 ④

- 042 ① 043 제4사분면 044 제1사분면 045 ②

- 046 ①, ③



050 ㄴ 051 ㄱ 052 ㄹ 053 ㄷ 054 ㉠ 055 ×
056 × 057 ㉠ 058 ㉠ 059 (1) ㄴ (2) ㄷ (3) ㄱ
060 ㄱ 061 A-ㄱ, B-ㄴ 062 ㄹ 063 ㉠ 064 ㉢
065 ㉠ 066 (1) 3시간 (2) 10 cm 067 ㉠ 068 12분
069 ㉠

070 ㉠ 071 ㉠ 072 $(\frac{5}{4}, -3)$ 073 ㉢ 074 ㉠
075 ㉠ 076 ㉠ 077 제3사분면 078 ㉠ 079 ㉠
080 ㉠

09 정비례와 반비례

138~156쪽

001

x	1	2	3	4	5	...
y	5	10	15	20	25	...

002

x	1	2	3	4	5	...
y	-3	-6	-9	-12	-15	...

003

x	1	2	3	4	5	...
y	4	8	12	16	20	...

004

x	1	2	3	4	5	...
y	6	12	18	24	30	...

005 ㉠ 006 ㉠ 007 × 008 × 009 × 010 ㉠
011 2, 8, 8, 2, 4, 4 012 $y = -2x$

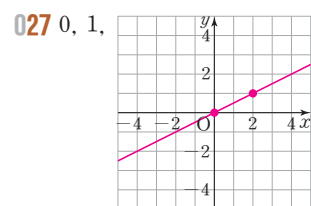
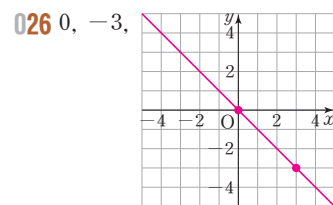
013 $y = \frac{1}{2}x$ 014 $y = -3x$ 015 $y = 8x$

016 $y = -\frac{1}{3}x$ 017 ㉠ 018 ㄱ 019 ㉠, ㉢

020 $y = -2x$ 021 ㉢ 022 ㉠

023 (1) $y = 6x$ (2) 50분 024 (1) $y = \frac{1}{2}x$ (2) 5 cm

025 ㉠



028 ㄱ, ㄷ, ㄹ 029 ㄴ, ㄹ, ㄱ 030 ㄱ, ㄷ, ㄹ

031 ㄱ, ㄱ 032 × 033 ㉠ 034 ×

035 $y = 5x$ 036 $y = -\frac{1}{3}x$ 037 $y = -x$

038 ㉠ 039 ㉠, ㉢ 040 ㉠ 041 ㉢ 042 ㉢

043 ㉠ 044 ㉠ 045 -6 046 ㉠ 047 ㉠ 048 ㉠

049 ㉢ 050 (1) $y = \frac{4}{3}x$ (2) 80 kg 051 10 052 ㉢

053 (1) A(6, 10), B(6, -6) (2) 16, 6 (3) 48

054 (1) A(2, 8), B(12, 8) (2) 10, 8 (3) 40

055

x	1	2	3	4	5	...
y	60	30	20	15	12	...

056

x	1	2	3	4	5	...
y	-4	-2	$-\frac{4}{3}$	-1	$-\frac{4}{5}$	...

057

x	1	2	3	4	5	...
y	300	150	100	75	60	...

058

x	1	2	3	4	5	...
y	120	60	40	30	24	...

059 ㉠ 060 × 061 × 062 ㉠ 063 ㉠ 064 ×

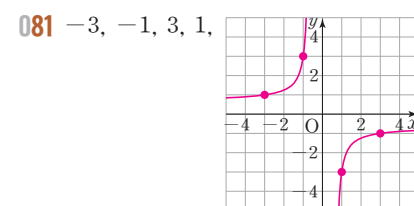
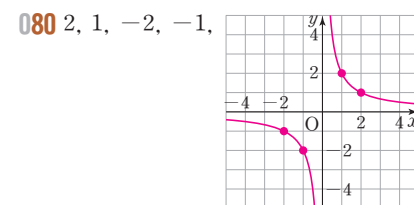
065 3, 5, 5, 3, 15, 15 066 $y = -\frac{18}{x}$

067 $y = -\frac{3}{x}$ 068 $y = \frac{21}{x}$ 069 $y = \frac{16}{x}$

070 $y = -\frac{2}{x}$ 071 ㄹ, ㄱ 072 ㉠ 073 ㉢

074 $y = \frac{14}{x}$ 075 ㉢ 076 ㉠ 077 ㉢

078 (1) $y = \frac{196}{x}$ (2) 28쪽 079 ㉠



082 ㄴ, ㄷ, ㄹ 083 ㄱ, ㄱ, ㄹ 084 ㄱ, ㄱ, ㄹ

085 ㄴ 086 ㉠ 087 × 088 ㉠ 089 $y = \frac{10}{x}$

090 $y = -\frac{9}{x}$ 091 $y = \frac{24}{x}$ 092 ㉠

093 ㄱ, ㄷ, ㄱ 094 ㉠ 095 ㄷ, ㄱ 096 ㉢

097 -4 098 ㉢ 099 4 100 ㉠ 101 $y = \frac{21}{x}$

102 ㉠ 103 ㉠ 104 5기압 105 15 106 10

107 (1) -12 (2) C(4, -3) (3) 49 108 ㉠

109 (1) A($4, \frac{3}{2}$) (2) $\frac{3}{8}$

110 ㉠ 111 ㉠ 112 $y = 4x$, 5 L 113 ㉢ 114 ㉠

115 ㉠ 116 ㉠ 117 ㉠ 118 12 119 ㉠, ㉢

120 ㉠ 121 ㉢ 122 ㉢ 123 ㉠ 124 ㉠ 125 ㉠

126 ㉠ 127 9