

01 8쪽 소인수분해

- A** 단계 0001 1, 2, 5, 10, 합성수 0002 1, 13, 소수
 0003 1, 2, 4, 8, 16, 합성수 0004 1, 19, 소수
 0005 1, 3, 11, 33, 합성수 0006 1, 7, 49, 합성수 0007 1, 67, 소수
 0008 1, 3, 29, 87, 합성수 0009 1, 7, 13, 91, 합성수 0010 1, 101, 소수
 0011 17, 29, 73
 0012 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47 0013 ×
 0014 ○ 0015 ×

0016	수	밑	지수	0017 3	0018 3	0019 4
	3^2	3	2	0020 4, 2	0021 3, 7	0022 8^4
	7	7	1	0023 $(\frac{1}{7})^5$	0024 $\frac{1}{5^3}$	0025 $2^2 \times 7^4$
	2^9	2	9	0026 $(\frac{2}{3})^3 \times (\frac{1}{5})^3$		
	1000^3	1000	3			
	$(\frac{1}{2})^4$	$\frac{1}{2}$	4			

- 0027 $\frac{1}{2^2 \times 11^2 \times 13^3}$ 0028 5^2 0029 10^3 0030 3^4 0031 2^7
 0032 $(\frac{1}{2})^5$ 0033 $(\frac{1}{7})^2$ 0034 15, 5, 3, 5 0035 28, 2, 7, 3, 7
 0036 2, 3, 2, 3 0037 $2 \times 11, 2, 11$ 0038 $5^2, 5$
 0039 $2^3 \times 5, 2, 5$ 0040 $2^2 \times 13, 2, 13$ 0041 $2^3 \times 3 \times 5, 2, 3, 5$
 0042 $2 \times 3 \times 5 \times 7, 2, 3, 5, 7$

0043 $14 = 2 \times 7$

\times	1	7
1	1	7
2	2	14

0044 $20 = 2^2 \times 5$

\times	1	5
1	1	5
2	2	10

약수: 1, 2, 7, 14

약수: 1, 2, 4, 5, 10, 20

0045 225 = $\boxed{3}^2 \times \boxed{5}^2$

×	1	5	5 ²
1	1	5	25
3	3	15	75
3 ²	9	45	225

약수: 1, 3, 5, 9, 15, 25, 45, 75, 225

- 0046 1, 2, 4, 8, 16, 32 0047 1, 2, 3, 4, 6, 9, 12, 18, 36
 0048 1, 3, 5, 9, 15, 45 0049 1, 2, 3, 4, 6, 8, 12, 16, 24, 48
 0050 4, 4, 5 0051 1, 3, 1, 3, 8 0052 1, 2, 1, 1, 2, 1, 12 0053 8
 0054 30 0055 10 0056 18 0057 3 0058 16

- B** 단계 0059 ③ 0060 ⑤ 0061 10 0062 2 0063 ②
 0064 (1) 7 (2) 11 (3) 8, 9, 10, 11 0065 ③, ④ 0066 8 0067 ②
 0068 ⑤ 0069 $a=5, b=6$ 0070 3 0071 2^7 0072 12
 0073 ④ 0074 3 0075 ④ 0076 7 0077 ① 0078 1
 0079 ② 0080 ② 0081 ④ 0082 ④ 0083 19 0084 ⑤
 0085 10 0086 ② 0087 (1) $2 \times 3^2 \times 5^2 \times 7$ (2) 14 0088 ①
 0089 21 0090 12 0091 8 0092 ③ 0093 3, 12, 75, 300
 0094 ①, ④ 0095 ④ 0096 248 0097 ③ 0098 42 0099 ②
 0100 24 0101 (ㄷ), (ㄹ) 0102 ②, ④ 0103 ⑤ 0104 ③ 0105 6
 0106 2 0107 ③ 0108 ⑤ 0109 (ㄱ), (ㄴ), (ㄹ) 0110 3

- 학교시험** 0111 ③ 0112 ④ 0113 1 0114 131 0115 8
 0116 ④ 0117 ⑤ 0118 ③ 0119 ③ 0120 20 0121 ④

- 0122 ③ 0123 ④ 0124 ③ 0125 1953 0126 2 0127 18
 0128 200 0129 16 0130 6 0131 9 0132 160 0133 ②

02 22쪽 최대공약수와 최소공배수

- A** 단계 0134 (1) 1, 3, 9 (2) 1, 3, 5, 15 (3) 1, 3 (4) 3
 0135 (1) 1, 2, 4, 8, 16 (2) 1, 2, 4, 5, 10, 20 (3) 1, 2, 4 (4) 4
 0136 (1) 1, 2, 3, 6 (2) 1, 2, 3, 6, 9, 18
 (3) 1, 2, 3, 5, 6, 10, 15, 30 (4) 1, 2, 3, 6 (5) 6
 0137 1, 2, 5, 10 0138 1, 2, 3, 4, 6, 8, 12, 24
 0139 1, 3, 13, 39 0140 1, 2, 5, 10, 25, 50 0141 ○ 0142 ×
 0143 × 0144 ○ 0145 7, 2, 7, 2, 14, 7, 14, 21, 2, 3, 7, 14
 0146 3, 3, 2, 5, 2, 3, 6, 2, 12, 15, 2, 4, 5, 2, 6 0147 6 0148 42
 0149 20 0150 8 0151 15 0152 7 0153 9 0154 18
 0155 12 0156 (1) 10, 20, 30, 40, ... (2) 15, 30, 45, 60, ...
 (3) 30, 60, 90, 120, ... (4) 30

- 0157 (1) 14, 28, 42, 56, ... (2) 21, 42, 63, 84, ...
 (3) 42, 84, 126, 168, ... (4) 42
 0158 (1) 4, 8, 12, 16, 20, 24, ... (2) 6, 12, 18, 24, ...
 (3) 8, 16, 24, 32, ... (4) 24, 48, 72, 96, ... (5) 24
 0159 (1) 9, 18, 27, 36, 45, 54, ... (2) 18, 36, 54, 72, ...
 (3) 27, 54, 81, 108, ... (4) 54, 108, 162, 216, ... (5) 54
 0160 12, 24, 36 0161 16, 32, 48 0162 22, 44, 66
 0163 30 0164 33 0165 200 0166 126
 0167 5, 2, 2^2 , 5^2 , 100, 5, 10, 25, 5, 5, 5, 100
 0168 2, 2, 5, 3, 7, 2, 3^2, 5, 7, 630, 2, 15, 21, 5, 7, 2, 5, 7, 630
 0169 36 0170 360 0171 300 0172 220 0173 900 0174 40
 0175 42 0176 210 0177 180

- B** 단계 0178 ③ 0179 1, 2, 3, 6, 6 0180 9 0181 6
 0182 ③ 0183 ⑤ 0184 ②, ⑤ 0185 ③ 0186 12 0187 ⑤
 0188 ② 0189 2 0190 4 0191 ④ 0192 1, 2, 4 0193 210
 0194 ③ 0195 ①, ④ 0196 5 0197 ③ 0198 ④ 0199 ⑤
 0200 3 0201 810 0202 ② 0203 ① 0204 (1) 7 (2) 14
 0205 ② 0206 24, 40, 48 0207 5 0208 ② 0209 ⑤
 0210 ④ 0211 2 0212 6 0213 90 0214 112 0215 ③
 0216 ③ 0217 ③ 0218 27 0219 3 0220 ③ 0221 120
 0222 60 0223 ④ 0224 30 0225 ④ 0226 21 0227 ⑤
 0228 58 0229 ② 0230 7 0231 88 0232 12 0233 ④
 0234 4 0235 ② 0236 ④ 0237 40
 0238 (1) 5 (2) 18 (3) 15, 8

- 학교시험** 0239 ① 0240 6 0241 ② 0242 32, 64, 128
 0243 ④ 0244 ③ 0245 5 0246 ④ 0247 12 0248 ①
 0249 ③ 0250 ④ 0251 36 0252 ② 0253 $\frac{40}{9}$ 0254 4
 0255 63 0256 5, 55 0257 3 0258 112 0259 (1) 70 cm (2) 70
 0260 45

03 40쪽 정수와 유리수



단계

0261 $+20, -3$

0262 $-3000, +5000$

0263 $-100, +400$

0264 $+4, +2.4$

0265 $-\frac{1}{3}, -\frac{8}{5}, -7$

0266

수	-5	0	+2	-3.6	$+\frac{9}{3}$
수의 분류					
양의 정수	×	×	○	×	○
음의 정수	○	×	×	×	×
정수	○	○	○	×	○

0267 ○

0268 ○

0269 ×

0270 $+3.8, 11$

0271 $-\frac{3}{4}, -9, -\frac{10}{2}$

0272 $-\frac{3}{4}, +3.8$

0273

수	-8	0	$+\frac{30}{6}$	-0.7	$\frac{1}{5}$
수의 분류					
정수	○	○	○	×	×
유리수	○	○	○	○	○
양수	×	×	○	×	○
음수	○	×	×	○	×

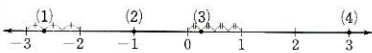
0274 ○

0275 ×

0276 ×

0277 A: $-\frac{5}{2}$, B: $-\frac{1}{4}$, C: 2, D: $\frac{7}{3}$

0278



0279 6, 6, 6, 6

0280 $\frac{5}{2}, \frac{5}{2}, \frac{5}{2}, \frac{5}{2}$

0281 $|+4|=4$

0282 $|-20|=20$

0283 $|0|=0$

0284 $|+6.5|=6.5$

0285 $|\frac{7}{2}|=\frac{7}{2}$

0286 $|\frac{4}{13}|=\frac{4}{13}$

0287 12

0288 7

0289 5.9

0290 0.1

0291 $\frac{15}{4}$

0292 $\frac{1}{3}$

0293 9, -9

0294 $\frac{1}{2}, -\frac{1}{2}$

0295 4.1, -4.1

0296 $\frac{5}{6}$

0297 -2.8

0298 >

0299 <

0300 <

0301 >

0302 8, 9, <

0303 >

0304 <

0305 <

0306 <

0307 >

0308 <

0309 ≥

0310 <

0311 ≤

0312 ≥

0313 $4 \leq x < 9$

0314 $-\frac{1}{2} \leq x \leq 3$

0315 $-16 \leq x < 0$

0316 $-5.3 < x \leq \frac{3}{8}$



단계

0317 ②

0318 (㉠), (㉡)

0319 ⑤

0320 ⑤

0321 ②, ④

0322 3

0323 3

0324 ④

0325 ④

0326 ③, ④

0327 ⑤

0328 3

0329 ③

0330 ⑤

0331 (㉠), (㉡)

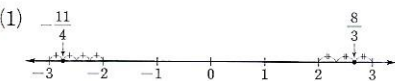
0332 ④

0333 ②, ③

0334 $-\frac{4}{3}$

0335 ⑤

0336 (1)



(2) $a=-3, b=3$

0337 2

0338 ①

0339 ③

0340 4

0341 -9

0342 ④

0343 $\frac{2}{9}, -\frac{2}{9}$

0344 $a=3, b=-5$

0345 $\frac{23}{4}$

0346 $a=-4, b=6$

0347 ③

0348 ④

0349 ③, ⑤

0350 8, -8

0351 $\frac{9}{2}$

0352 $\frac{6}{5}$

0353 $a=\frac{5}{3}, b=-\frac{5}{3}$

0354 -3.5, $\frac{1}{2}$

0355 ③

0356 ⑤

0357 $\frac{13}{3}$

0358 4

0359 $\frac{10}{3}, -4$

0360 ③

0361 17

0362 ④

0363 (㉠), (㉡)

0364 ⑤

0365 $|\frac{20}{7}|, -\frac{14}{3}$

0366 0.7

0367 ③

0368 ⑤

0369 ④

0370 (㉠), (㉡)

0371 ④

0372 ④

0373 ③

0374 -3

0375 12

학교시험

0376 ④

0377 ②, ⑤

0378 ②, ④

0379 ④

0380 ②

0381 ④

0382 $\frac{10}{3}$

0383 $-\frac{21}{5}$

0384 $\frac{13}{4}$

0385 ③

0386 ④

0387 $a < b < c$

0388 6

0389 5

0390 $a=-8, b=2$

0391 4

0392 -3

0393 $-\frac{7}{4} \leq x \leq 0$, 정수 x : -1, 0

0394 ⑤

0395 $a < b < c$

0396 ③



56쪽

유리수의 계산



단계

0397 11

0398 -8

0399 $\frac{16}{15}$

0400 -8.2

0401 -9

0402 5

0403 $-\frac{11}{8}$

0404 -1.7

0405 (가) 교환 (나) -5 (다) 결합 (라) -6 (레) 1

0406 -6

0407 $-\frac{1}{4}$

0408 -6.5

0409 -4

0410 4

0411 13

0412 -10

0413 $-\frac{2}{9}$

0414 $-\frac{47}{20}$

0415 -0.8

0416 12.4

0417 -6

0418 $\frac{5}{12}$

0419 -3.1

0420 -14

0421 -6

0422 2

0423 $-\frac{11}{5}$

0424 14

0425 15

0426 20

0427 64

0428 -32

0429 -54

0430 $-\frac{15}{4}$

0431 -4.5

0432 -2

0433 (가) 교환 (나) $-\frac{8}{15}$ (다) 결합 (라) $+\frac{2}{3}$ (레) -2

0434 -8

0435 42

0436 16

0437 24

0438 -210

0439 $-\frac{1}{2}$

0440 9

0441 -1

0442 -81

0443 $-\frac{1}{16}$

0444 $\frac{1}{25}$

0445 -32

0446 64

0447 (가) 17 (나) 1700 (다) 1751

0448 (가) 34 (나) 100 (다) 210

0449 11055

0450 -1500

0451 -16

0452 -30

0453 2

0454 -6

0455 7

0456 -5

0457 -3

0458 -1

0459 $\frac{5}{7}$

0460 $\frac{5}{3}$

0461 $-\frac{2}{5}$

0462 $\frac{9}{2}$

0463 $\frac{3}{4}$

0464 -14

0465 -10

0466 $-\frac{1}{4}$

0467 -14

0468 1

0469 $\frac{5}{3}$

0470 $-\frac{11}{2}$

0471 $-\frac{7}{2}$

0472 1

0473 $-\frac{3}{2}$

0474 $\frac{7}{8}$

0475 $-\frac{1}{2}$

0476 $\frac{3}{4}$

0477 -18

0478 -13

0479 4

0480 $-\frac{5}{3}$

0481 -10

- 0540 ⑤ 0541 ① 0542 2186 0543 6 0544 ① 0545 ①
 0546 ⑤ 0547 $\frac{9}{4}$ 0548 ④ 0549 $a=-\frac{5}{3}, b=10$ 0550 ①
 0551 $-\frac{28}{5}$ 0552 3 0553 ④ 0554 ⑤ 0555 $\frac{20}{3}$ 0556 4
 0557 (1) ㉔, ㉕, ㉖, ㉗, ㉘ (2) 4 0558 ⑤ 0559 $\frac{10}{9}$ 0560 5
 0561 $-\frac{3}{2}$ 0562 2 0563 ③ 0564 $-\frac{2}{5}$ 0565 ① 0566 ③
 0567 (1) $\frac{3}{2}$ (2) $-\frac{5}{4}$ 0568 ③ 0569 2 0570 ⑤ 0571 ②
 0572 ② 0573 2
- 학교시험** 0574 ③ 0575 ⑤ 0576 ② 0577 $\frac{29}{12}$ 0578 ③
- 0579 3500원 0580 ③ 0581 $-\frac{1}{15}$ 0582 ④ 0583 ④ 0584 6
 0585 3 0586 ② 0587 $-\frac{3}{14}$ 0588 ③ 0589 $-\frac{17}{4}$ 0590 $-\frac{25}{4}$
 0591 $\frac{1}{2}$ 0592 -7 0593 ③ 0594 -12 0595 -b

- 0703 ⑤ 0704 $\frac{x}{x+y} + \frac{3x}{y}$ 0705 ⑤ 0706 ④, ⑤ 0707 ④
 0708 $x - \frac{xy}{100}$ 0709 ③, ⑤ 0710 ⑤ 0711 ③
 0712 (1) $(16a+16b+2ab) \text{ cm}^2$ (2) $8ab \text{ cm}^2$ 0713 $95(90-x) \text{ m}^2$
 0714 $(15000-1200a-2500b) \text{ 원}$ 0715 ⑤ 0716 ③
 0717 $(\frac{4}{3}a+600b) \text{ 원}$ 0718 $(12000+4y+2z) \text{ 원}$ 0719 ② 0720 (㉔, ㉕)
 0721 (1) 90x km (2) $(450-90x) \text{ km}$ 0722 ⑤ 0723 ④
 0724 (1) 3x g (2) $\frac{3}{4}x\%$ 0725 ② 0726 -3 0727 ④ 0728 12
 0729 (㉔, ㉕) 0730 ③ 0731 ⑤ 0732 63 kg 0733 ②
 0734 (1) 초속 340 m (2) 1700 m 0735 (1) $(20000-900x) \text{ 원}$ (2) 11000원
 0736 (1) 0.23h cm (2) 36.8 cm 0737 (1) $80-4x$ (2) 56
 0738 (1) 3x (2) 24 0739 ⑤ 0740 ①, ⑤ 0741 1 0742 (㉔)
 0743 ④ 0744 ②, ⑤ 0745 1 0746 ② 0747 ④ 0748 40
 0749 $\frac{11}{4}$ 0750 ⑤ 0751 ③ 0752 ⑤
 0753 $\frac{x^2}{2}$ 과 $-3x^2$, xy 와 $-4xy$ 0754 ③ 0755 $48x-16$
 0756 ③ 0757 10 0758 $9x+5$ 0759 ③ 0760 -10 0761 ③
 0762 $-\frac{7}{4}$ 0763 $-\frac{7}{12}x-1$ 0764 ⑤ 0765 ③ 0766 ③
 0767 $-6x-1$ 0768 ② 0769 $-7x-2y$ 0770 ④
 0771 $6x-15$ 0772 (1) $4x+1$ (2) $13x-5$ 0773 $4x+6$
 0774 (1) 성인: $2x-3$, 어린이: $x+4$ (2) $(45000x-25000) \text{ 원}$ 0775 $2a+5$
 0776 ⑤

- 학교시험** 0777 ⑤ 0778 (㉔, ㉕) 0779 ④ 0780 -6 0781 112회
 0782 ② 0783 ③ 0784 ⑤ 0785 3 0786 ⑤ 0787 4
 0788 $4x-8$ 0789 ① 0790 (1) $\frac{300}{x}$ 분, $\frac{400}{y}$ 분 (2) $(\frac{300}{x} + \frac{400}{y})$ 분

- 0791 (1) 아들: $(\frac{x+y}{2}+6.5) \text{ cm}$, 딸: $(\frac{x+y}{2}-6.5) \text{ cm}$
 (2) 아들: 174 cm, 딸: 161 cm

- 0792 $\frac{3}{4}$ 0793 $15x+24$ 0794 9 0795 ①
 0796 $15x+22$

Ob 102쪽 일차방정식의 풀이

- A 단계** 0797 ○ 0798 × 0799 ○ 0800 ×
 0801 $5x+2=13$ 0802 $800x+y=15000$ 0803 $3x=20$

0804	x의 값	좌변의 값	우변의 값	참, 거짓	0805 ○
	-1	$4 \times (-1) - 3 = -7$	1	거짓	0806 ×
	0	$4 \times 0 - 3 = -3$	1	거짓	0807 ○
	1	$4 \times 1 - 3 = 1$	1	참	0808 2

해: $x=1$

- 0809 5
 0810 -3 0811 4 0812 ○ 0813 ○ 0814 × 0815 ○
 0816 × 0817 $x=9$ 0818 $x=-2$ 0819 $x=18$ 0820 $x=5$ 0821 $x=2+4$
 0822 $2x=-1-5$ 0823 $3x-4x=5$ 0824 $x+6x=8$
 0825 $-x-3x=7-1$ 0826 × 0827 × 0828 ○ 0829 ×
 0830 × 0831 ○ 0832 ○ 0833 $x=-3$ 0834 $x=3$ 0835 $x=2$
 0836 $x=-4$ 0837 $x=2$ 0838 $x=-1$ 0839 $x=-4$ 0840 $x=-2$ 0841 $x=3$
 0842 $x=-7$ 0843 $x=11$ 0844 $x=-\frac{1}{3}$ 0845 $x=-3$ 0846 $x=2$

O5 80쪽 문자의 사용과 식

- A 단계** 0596 900, x 0597 5000, $600 \times a$ 0598 x, 4 0599 a, 300
 0600 $200-y$ 0601 $10 \times x+y$ 0602 $(4 \times a) \text{ cm}$
 0603 $(x \div 8) \text{ 원}$ 0604 $(a \div 15) \text{ 시간}$ 0605 $(\frac{16}{100} \times x) \text{ g}$
 0606 $-5x$ 0607 $0.2y$ 0608 $-ab$ 0609 $3x^4$ 0610 $\frac{1}{2}(a-2b)$
 0611 $-3x+7y$ 0612 $-\frac{9}{a}$ 0613 $\frac{2x}{y}$ 0614 $\frac{3a+b}{6}$ 0615 $\frac{x}{yz}$
 0616 $\frac{5}{a}+b$ 0617 $-\frac{4a}{b}$ 0618 $\frac{a^2}{b}$ 0619 $\frac{ac}{2-b}$ 0620 $(-5) \times a$
 0621 $7 \times a \times b$ 0622 $x \times x \times y$ 0623 $(-2) \times a \times (3-b)$
 0624 $a \div 2$ 0625 $x \div 3 \div y$ 0626 $(a+b) \div 5$
 0627 $(-3) \div (x-y)$ 0628 -4 0629 8 0630 -3 0631 6
 0632 7 0633 8 0634 -4 0635 $\frac{51}{5}$ 0636 18 0637 -30
 0638 1 0639 $-\frac{1}{6}$ 0640 4 0641 -19 0642 -42 0643 3
 0644 $3x, -8y, -6$ 0645 -6 0646 3 0647 -8
 0648 $-x^2, \frac{x}{4}, -5$ 0649 -5 0650 $\frac{1}{4}$ 0651 -1 0652 1
 0653 2 0654 1 0655 3 0656 ○ 0657 × 0658 ○
 0659 × 0660 × 0661 $24x$ 0662 $-10a$ 0663 $27b$ 0664 $15x$
 0665 $28y$ 0666 $\frac{a}{3}$ 0667 $-5x$ 0668 $8y$ 0669 $\frac{4}{7}b$ 0670 $30x$
 0671 $16x-40$ 0672 $-18a+3$ 0673 $6b+5$
 0674 $-35x-10$ 0675 $4y-1$ 0676 $5a+2$ 0677 $3x-2$
 0678 $15x-10$ 0679 $9y-3$ 0680 $-6b+9$
 0681 $3x$ 와 $6x$ 0682 $-2a^2$ 과 $\frac{1}{3}a^2$ 0683 $8x$ 와 $-4x, 7y$ 와 $-y$
 0684 $9a$ 0685 $1.3x$ 0686 $\frac{11}{12}a$ 0687 $-9b$ 0688 $-10x-4$
 0689 $\frac{1}{2}y+\frac{1}{8}$ 0690 $3x-5$ 0691 $-7a+12$ 0692 $9x-2$
 0693 $-15y+15$ 0694 $x-20$ 0695 $-4b-8$ 0696 $x-21$
 0697 $6y-5$

- B 단계** 0698 ①, ⑤ 0699 ③ 0700 ⑤ 0701 ③ 0702 ①

0847 $x = -5$ 0848 $x = 20$ 0849 $x = -10$ 0850 $x = 9$ 0851 $x = -12$

0852 $x = -4$ 0853 $x = -\frac{2}{5}$ 0854 $x = -\frac{1}{4}$

B 단계 0855 (㉠), (㉡) 0856 ① 0857 ②, ⑤ 0858 ④ 0859 ③

0860 $2(x+8)+3=5x-8$ 0861 ③ 0862 ⑤ 0863 $x = -1$ 0864 ④

0865 (㉠), (㉡) 0866 ⑤ 0867 ⑤ 0868 ⑤ 0869 6 0870 ⑤

0871 (㉠), (㉡), (㉢) 0872 ② 0873 ③ 0874 ㉠ 0875 ②

0876 ③ 0877 (㉠) $-2x$ (㉡) 5 (㉢) 12 (㉣) 2 (㉤) 6 0878 ④

0879 ② 0880 4 0881 ③, ④ 0882 ④ 0883 $a \neq -3$ 0884 (㉠), (㉡)

0885 ④ 0886 ④ 0887 -26 0888 ② 0889 $x = 3$ 0890 $x = -2$

0891 $x = -5$ 0892 ① 0893 ③ 0894 $x = -\frac{5}{4}$ 0895 ④

0896 -2 0897 ⑤ 0898 ② 0899 -9 0900 -14 0901 ⑤

0902 -10 0903 3 0904 ⑤ 0905 ② 0906 24

학교시험 0907 ①, ⑤ 0908 ④ 0909 (㉠), (㉡) 0910 9 0911 ④

0912 ②, ⑤ 0913 ④ 0914 ② 0915 ⑤ 0916 3 0917 ⑤

0918 $-\frac{7}{4}$ 0919 -9 0920 6 0921 6 0922 -13 0923 3

0924 $-\frac{4}{9}$ 0925 -2 0926 ④

07 118쪽 일차방정식의 활용

A 단계 0927 $x, x+20, 5x-4, x+20=5x-4, 6, 6, 26$

0928 $2(x-5)=x+9, x=19$ 0929 $2(x+12)=38, x=7$

0930 $40-6x=4, x=6$ 0931 (1) $x+(x+7)=45$ (2) 19

0932 (1) $2(12-x)+3x=31$ (2) 7개 0933 $30, \frac{x}{30}, \frac{x}{30}, 36, 36$

0934 (1) $\frac{x}{2} + \frac{x}{3} = 2$ (2) $\frac{12}{5}$ km

0935 $200+x, \frac{20}{100} \times (200+x), \frac{20}{100} \times (200+x), 25, 25$

0936 (1) $\frac{6}{100} \times 450 + x = \frac{10}{100} \times (450+x)$ (2) 20 g

B 단계 0937 7 0938 ⑤ 0939 (1) 3 (2) 4 0940 2

0941 ④ 0942 ④

0943 (1) $x-2, x+2$ (2) $(x-2)+x+(x+2)=75$ (3) 23, 25, 27

0944 ① 0945 48 0946 ③ 0947 ② 0948 28

0949 (1) $2x+5$ (2) 72 0950 16 0951 ⑤ 0952 ④ 0953 8점시

0954 ③ 0955 ④ 0956 ② 0957 8살 0958 39살 0959 ③

0960 7 cm 0961 ③ 0962 ⑤ 0963 24 cm 0964 ③ 0965 800

0966 ④ 0967 20000원 0968 ⑤

0969 (1) $(\frac{13}{10}x - 2000) - x = 3700$ (2) 22700원 0970 7000원 0971 168

0972 ① 0973 200 0974 ① 0975 64 0976 ⑤ 0977 ④

0978 9000원 0979 (1) $7x+13=10(x-2)+3$ (2) 10 (3) 83

0980 $\frac{40}{9}$ km 0981 (1) 50 km (2) 1시간 40분 0982 ③

0983 6 km 0984 30분 0985 ② 0986 5 km 0987 ③ 0988 ⑤

0989 3시 50분 0990 2250 m 0991 ④ 0992 ③

0993 (1) $80x+70x=1800$ (2) 12분 (3) 960 m 0994 9분 0995 ③

0996 150 m 0997 ① 0998 (1) 200 m (2) 초속 30 m 0999 ④

1000 ③ 1001 180 g 1002 ② 1003 ④ 1004 ③ 1005 6

1006 240 g 1007 ④ 1008 12일

1009 (1) A: $\frac{1}{6}$, B: $\frac{1}{10}$ (2) $\frac{1}{10} \times 2 + (\frac{1}{6} + \frac{1}{10})x = 1$ (3) 3일 1010 ②

1011 6시간 1012 A: 72, B: 42

학교시험 1013 12, 14 1014 ② 1015 ① 1016 2 1017 13개월

1018 20 1019 ④ 1020 67 1021 ⑤ 1022 2 km 1023 ③

1024 ③ 1025 ④ 1026 10% 1027 20 1028 6 1029 57

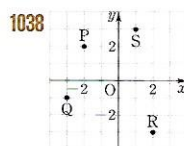
1030 456 1031 30000원 1032 ③ 1033 ③ 1034 28단계

08 138쪽 좌표평면과 그래프

A 단계 1035 A(-4), B(-1), C($\frac{3}{2}$), D(3)



1037 P(-3, 2), Q(-1, -3), R(3, -2), S(3, 3)



1039 A(5, -2)

1040 B(1, 0)

1041 O(0, 0)

점의 좌표	x좌표의 부호	y좌표의 부호	사분면
(4, 6)	+	+	제1사분면
(-4, 6)	-	+	제2사분면
(-4, -6)	-	-	제3사분면
(4, -6)	+	-	제4사분면

1043 제4사분면 1044 제1사분면 1045 제3사분면

1046 제4사분면 1047 제2사분면 1048 제3사분면

1049 (㉠), (㉡) 1050 (㉢), (㉣) 1051 (㉤), (㉥) 1052 (㉦), (㉧), (㉨)

점의 좌표	x좌표의 부호	y좌표의 부호	사분면
(-a, b)	-	+	제2사분면
(a, -b)	+	-	제4사분면
(-a, -b)	-	-	제3사분면
(b, a)	+	+	제1사분면

1054 50 m 1055 200 m 1056 60분 1057 10 1058 60 1059 증가

B 단계 1060 -1 1061 ⑤ 1062 B(2) 1063 C(-1) 1064 ⑤

1065 (-2, -3), (-2, 3), (2, -3), (2, 3) 1066 7 1067 ④

1068 ⑤ 1069 BRAVE 1070 -9 1071 ② 1072 ①

1073 -28 1074 ⑤ 1075 ② 1076 28 1077 ① 1078 10

1079 $\frac{19}{2}$ 1080 ①, ⑤ 1081 ⑤

1082 (1) E(2, 3) (2) A(-4, 6), B(-1, 4) 1083 제1사분면

1084 ② 1085 ③ 1086 제1사분면 1087 ④ 1088 ②

1089 제3사분면 1090 ② 1091 ③ 1092 ⑤ 1093 ⑤

1094 8분 1095 24분 1096 (1) 20분 (2) 1 km 1097 ⑤

1098 (1) (㉠) (2) (㉡) (3) (㉢) 1099 (㉣) 1100 A-(㉤), B-(㉥), C-(㉦)

1101 ③

학교시험 1102 ③ 1103 ② 1104 ①, ⑤ 1105 제2사분면

1106 ⑤ 1107 ④ 1108 ③ 1109 16 1110 -8 1111 15

1112 (1) 40분 (2) 1400 m 1113 ② 1114 ① 1115 (㉢)

A 단계 1116 (1)

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

(2) $y=5x$

1117 (1)

x	1	2	3	4	...
y	70	140	210	280	...

(2) 정비례한다. (3) $y=70x$

1118 (1) 정비례한다. (2) $y=4x$ 1119 ○ 1120 × 1121 ○

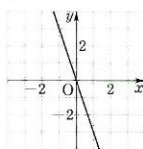
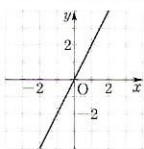
1122 ○ 1123 ×

1124

x	-2	-1	0	1	2
y	-4	-2	0	2	4

1125

x	-2	-1	0	1	2
y	6	3	0	-3	-6



1126 제1사분면, 제3사분면 1127 제2사분면, 제4사분면

1128 (○), (△), (□) 1129 (○), (△), (□) 1130 (○), (△), (□)

1131 4 1132 -1

1133 (1)

x	1	2	3	4	...
y	36	18	12	9	...

(2) $y=\frac{36}{x}$

1134 (1)

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

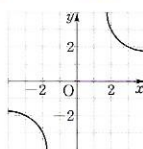
(2) 반비례한다. (3) $y=\frac{300}{x}$

1135 (1) 반비례한다. (2) $y=\frac{12}{x}$

1136 × 1137 × 1138 × 1139 × 1140 ○ 1141 ○

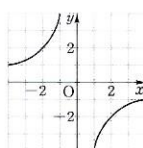
1142

x	-3	-2	-1	1	2	3
y	-2	-3	-6	6	3	2



1143

x	-4	-2	-1	1	2	4
y	1	2	4	-4	-2	-1



1144 제1사분면, 제3사분면 1145 제2사분면, 제4사분면

1146 (○), (△), (□) 1147 (○), (△), (□) 1148 (○), (△), (□)

1149 16 1150 -12

B 단계 1151 (○), (△) 1152 (○) 1153 (○), (△) 1154 (○) 1155 -12

1156 $y=\frac{1}{5}x$ 1157 14 1158 (○) 1159 (1) $y=20x$ (2) 12 L

1160 (1) $y=6x$ (2) 360 cm² 1161 (1) 16 L (2) 10분 1162 (○)

1163 (1) $y=9x$ (2) 10 cm 1164 (○) 1165 (○) 1166 (○), (△) 1167 (○), (△)

1168 (○) 1169 (○) 1170 (○) 1171 (○) 1172 (○) 1173 (○)

1174 (○) 1175 -4 1176 (○) 1177 (○) 1178 $y=\frac{4}{5}x$ 1179 (○)

1180 (○) 1181 0 1182 (1) $y=300x$ (2) $y=120x$ (3) 720 m

1183 (○), (△) 1184 (○), (△) 1185 (○), (△) 1186 (○) 1187 (○) 1188 -1

1189 6 1190 (○) 1191 (1) $y=\frac{36}{x}$ (2) 9시간 1192 (1) $y=\frac{168}{x}$ (2) 24쪽

1193 (1) $y=\frac{64}{x}$ (2) 8 cm 1194 (○) 1195 (○) 1196 (○)

1197 제2사분면 1198 (○), (△) 1199 (○) 1200 (○) 1201 (○)

1202 3 1203 (○) 1204 18 1205 (○) 1206 (○) 1207 5

1208 (○) 1209 (○) 1210 -8 1211 (○) 1212 18 1213 15

1214 $y=\frac{1}{3}x$ 1215 24 1216 (○) 1217 27 1218 100

학교시험 1219 3 1220 (○), (△) 1221 (○) 1222 (○) 1223 (○)

1224 (○), (△) 1225 (○) 1226 (○), (△), (□) 1227 (○) 1228 (○)

1229 -2 1230 (○) 1231 (1) $y=\frac{1}{12}x$ (2) 60 g 1232 $-\frac{14}{3}$

1233 $\frac{21}{5}$ 1234 8 1235 (1) $y=4x$ (2) 90 1236 (9, 10)

1237 (○)

대한원 모의고사

I. 소인수분해

01 (○) 02 (○) 03 (○) 04 (○) 05 (○) 06 (○), (△)
 07 (○) 08 (○) 09 (○) 10 (○) 11 (○) 12 (○)
 13 (○) 14 (○), (△) 15 (○) 16 (○) 17 (○) 18 (○)
 19 21 20 21 21 6 22 15 23 6 24 14
 25 41

II. 정수와 유리수

01 (○) 02 (○) 03 (○) 04 (○) 05 (○) 06 (○)
 07 (○) 08 (○) 09 (○) 10 (○) 11 (○) 12 (○)
 13 (○) 14 (○) 15 (○) 16 (○) 17 (○) 18 (○)
 19 6 20 2 21 $\frac{23}{6}$, $-\frac{23}{6}$ 22 $\frac{11}{2}$ 23 $-\frac{14}{5}$
 24 -2 25 4

III. 방정식

01 (○) 02 (○) 03 (○) 04 (○) 05 (○) 06 (○)
 07 (○) 08 (○) 09 (○) 10 (○) 11 (○), (△) 12 (○)
 13 (○) 14 (○) 15 (○) 16 (○) 17 (○) 18 (○)
 19 (1) $2x+4$ (2) $-x+10$ 20 (130000-500x-800y) 원
 21 10 22 2 23 2 24 13 25 40

IV. 그래프와 비례

01 (○) 02 (○) 03 (○) 04 (○) 05 (○) 06 (○)
 07 (○) 08 (○) 09 (○) 10 (○) 11 (○) 12 (○)
 13 (○) 14 (○), (△) 15 (○) 16 (○) 17 (○) 18 (○)
 19 -3 20 17 21 -3 22 (1) $y=4x$ (2) 2 km 23 16
 24 -18 25 $\frac{25}{2}$