1 / 삼각비

8~22쪽

001 (1) $\overline{BC}$, 4 (2) $\overline{AB}$, 3 (3) $\overline{AB}$, $\frac{4}{3}$

002 (1) $\frac{\sqrt{7}}{4}$ (2) $\frac{3}{4}$ (3) $\frac{\sqrt{7}}{3}$ 003 (1) $\frac{\sqrt{6}}{3}$ (2) $\frac{\sqrt{3}}{3}$ (3) $\sqrt{2}$

004 (1) $\frac{\sqrt{11}}{6}$ (2) $\frac{5}{6}$ (3) $\frac{\sqrt{11}}{5}$ 005 (1) $\frac{1}{2}$ (2) $\frac{\sqrt{3}}{2}$ (3) $\frac{\sqrt{3}}{3}$

006 (1) $\frac{\sqrt{3}}{2}$ (2) $\frac{1}{2}$ (3) $\sqrt{3}$

007 12, 13, $\frac{5}{13}$, $\frac{12}{13}$, $\frac{5}{12}$ / 

008 (1) $\frac{\sqrt{5}}{3}$ (2) $\frac{2}{3}$ (3) $\frac{\sqrt{5}}{2}$ 009 (1) $\frac{15}{17}$ (2) $\frac{8}{17}$ (3) $\frac{15}{8}$

010 (1) $\frac{\sqrt{3}}{3}$ (2) $\frac{\sqrt{6}}{3}$ (3) $\frac{\sqrt{2}}{2}$ 011 (1) $\frac{2}{3}$ (2) $\frac{\sqrt{5}}{3}$ (3) $\frac{2\sqrt{5}}{5}$

012 (1) $\frac{\sqrt{2}}{2}$ (2) $\frac{\sqrt{2}}{2}$ (3) 1 013 $\frac{7}{9}$ 014 6, 3, 3, $3\sqrt{3}$

015 $x=4\sqrt{2}$, $y=4\sqrt{2}$ 016 $x=2\sqrt{5}$, $y=6$

017 $x=4\sqrt{6}$, $y=10$ 018 $x=2\sqrt{11}$, $y=12$

019 $x=9$, $y=3\sqrt{7}$ 020 $10+2\sqrt{5}$

021 $\sqrt{5}$, $\sqrt{5}$, $\sqrt{5}$, $\frac{2\sqrt{5}}{5}$

022  / $\sin A=\frac{\sqrt{11}}{6}$, $\tan A=\frac{\sqrt{11}}{5}$

023  / $\sin A=\frac{8}{17}$, $\cos A=\frac{15}{17}$

024  / $\cos A=\frac{\sqrt{3}}{3}$, $\tan A=\sqrt{2}$

025  / $\sin A=\frac{2\sqrt{5}}{5}$, $\tan A=2$

026  / $\sin A=\frac{\sqrt{21}}{7}$, $\cos A=\frac{2\sqrt{7}}{7}$

027 $\frac{3\sqrt{10}}{10}$ 028 $\angle BCA$, $\angle ABC$ 029 5

030 (1) $\overline{AB}$, $\frac{3}{5}$ (2) $\overline{AC}$, $\frac{4}{5}$ (3) $\overline{AC}$, $\frac{3}{4}$

031 $\sin y=\frac{4}{5}$, $\cos y=\frac{3}{5}$, $\tan y=\frac{4}{3}$

032 $\sin x=\frac{1}{2}$, $\cos x=\frac{\sqrt{3}}{2}$, $\tan x=\frac{\sqrt{3}}{3}$

033 $\sin y=\frac{\sqrt{3}}{2}$, $\cos y=\frac{1}{2}$, $\tan y=\sqrt{3}$

034 $\sin x=\frac{15}{17}$, $\cos x=\frac{8}{17}$, $\tan x=\frac{15}{8}$

035 $\sin y=\frac{8}{17}$, $\cos y=\frac{15}{17}$, $\tan y=\frac{8}{15}$

036 $\angle BCA$ 037 $\sin x=\frac{12}{13}$, $\cos x=\frac{5}{13}$, $\tan x=\frac{12}{5}$

038 $\sin x=\frac{4}{5}$, $\cos x=\frac{3}{5}$, $\tan x=\frac{4}{3}$

039 $\sin x=\frac{5}{6}$, $\cos x=\frac{\sqrt{11}}{6}$, $\tan x=\frac{5\sqrt{11}}{11}$

040 $\angle ACB$ 041 $\sin x=\frac{4}{5}$, $\cos x=\frac{3}{5}$, $\tan x=\frac{4}{3}$

042 $\sin x=\frac{3}{5}$, $\cos x=\frac{4}{5}$, $\tan x=\frac{3}{4}$

043 $\sin x=\frac{2\sqrt{13}}{13}$, $\cos x=\frac{3\sqrt{13}}{13}$, $\tan x=\frac{2}{3}$

044 3, $3\sqrt{2}$, $3\sqrt{2}$, $3\sqrt{3}$
$\overline{AE}$, $\frac{\sqrt{3}}{3}$, $\overline{EG}$, $\frac{\sqrt{6}}{3}$, $\overline{AE}$, $\frac{\sqrt{2}}{2}$ / 

045 $\sin x=\frac{\sqrt{3}}{3}$, $\cos x=\frac{\sqrt{6}}{3}$, $\tan x=\frac{\sqrt{2}}{2}$

046 $\sin x=\frac{\sqrt{2}}{2}$, $\cos x=\frac{\sqrt{2}}{2}$, $\tan x=1$

047 $\sin x=\frac{4}{9}$, $\cos x=\frac{\sqrt{65}}{9}$, $\tan x=\frac{4\sqrt{65}}{65}$

048 1 049 $\frac{\sqrt{6}}{6}$ 050 -1 051 1 052 $\frac{\sqrt{6}}{4}$ 053 $\frac{1}{2}$

054 $-\frac{1}{4}$ 055 10, $\sqrt{2}$, $5\sqrt{2}$, 10, $\sqrt{2}$, $5\sqrt{2}$ 056 $x=2\sqrt{3}$, $y=2$

057 $x=3\sqrt{3}$, $y=6\sqrt{3}$ 058 ❶ 8, 1, 4 ❷ 4, $\sqrt{2}$, $4\sqrt{2}$

059 $x=8\sqrt{3}$, $y=12$ 060 $x=6$, $y=2\sqrt{3}$

061 $x=7\sqrt{3}$, $y=14\sqrt{3}$ 062 6 063 $\frac{3\sqrt{6}}{2}$

064 $2\sqrt{3}$ 065 $\sqrt{5}$ 066 $\frac{\sqrt{3}}{3}$, 5, $\frac{\sqrt{3}}{3}$, 5 067 $y=x+6$

068 $y=\sqrt{3}x+2\sqrt{3}$ 069 $\sqrt{3}$, $\sqrt{3}$, $\sqrt{3}$, -4, $4\sqrt{3}$, $\sqrt{3}$, $4\sqrt{3}$

070 $y=\frac{\sqrt{3}}{3}x+\sqrt{3}$ 071 $y=x+9$ 072 $\overline{BC}$, $\overline{BC}$

073 $\overline{DE}$ 074 $\overline{AB}$ 075 $\overline{BC}$ 076 y, y, $\overline{AB}$, $\overline{AB}$ 077 $\overline{BC}$

078 $\overline{OA}$, 0.60, 0.60 079 0.80 080 0.75 081 0.80 082 0.60

083 1 084 1 085 0 086 1 087 $\sqrt{3}$ 088 $\sqrt{2}$

089 3 090 0 091 $\frac{1}{2}$ 092 $\frac{5}{4}$ 093 < 094 >

095 < 096 < 097 > 098 < 099 × 100 ×

101 ○ 102 ○ 103 ○

104 $\sin 23^\circ$, $\cos 23^\circ$, $\sin 90^\circ$, $\tan 49^\circ$

105 $\sin 0^\circ$, $\cos 4^\circ$, $\tan 54^\circ$, $\tan 79^\circ$

106 0.7771 107 0.6157 108 1.2799

109 0.6018 110 0.8090 111 64° 112 65°

113 65° 114 63° 115 66° 116 65.61, 0.6561, 41

117 40° 118 41° 119 42° 120 0.4695, 46.95

121 4.848 122 44.55 123 11.086

2 / 삼각비의 활용

30~40쪽

001 10, $10\sin 33^\circ$ 002 4, $\frac{4}{\cos 53^\circ}$

003 13, $13\tan 47^\circ$ 004 $x=5\cos 62^\circ$, $y=5\sin 62^\circ$

005 $x=10\tan 55^\circ$, $y=\frac{10}{\cos 55^\circ}$

006 $x=\frac{8}{\tan 36^\circ}$, $y=\frac{8}{\sin 36^\circ}$

007 1.92 008 1.38 009 8 010 20, 20, 14.6 011 27 m

012 (1) 5.7 m (2) 7.2 m

013 (1) $3\sqrt{3}$ m (2) $6\sqrt{3}$ m (3) $9\sqrt{3}$ m

014 14.04 m

015 ❶ 60, $4\sqrt{3}$, 60, 4, 6 ❷ $4\sqrt{3}$, 6, $2\sqrt{21}$

016 $2\sqrt{7}$ 017 5 018 $5\sqrt{7}$

019 ❶ 180, 60 ❷ 45, $3\sqrt{2}$ ❸ 60, $2\sqrt{6}$

020 $8\sqrt{2}$ 021 $2\sqrt{6}$ 022 $10\sqrt{2}$ 023 $2\sqrt{17}$ m

024 $3\sqrt{7}$ km 025 $4\sqrt{6}$ m 026 $30\sqrt{2}$ m

027 $(15+5\sqrt{3})$ m

028 ❶ 30, $\sqrt{3}h$ ❷ 45, h ❸ $\sqrt{3}+1$, $6(\sqrt{3}-1)$

029 $2(3-\sqrt{3})$ 030 $5(\sqrt{3}-1)$ 031 $\frac{15}{4}$

032 $\frac{9(3-\sqrt{3})}{2}$ m

033 ❶ 30, $\sqrt{3}h$ ❷ 60, $\frac{\sqrt{3}}{3}h$ ❸ $\frac{2\sqrt{3}}{3}$, $5\sqrt{3}$

034 $4(\sqrt{3}+1)$ 035 $2(3+\sqrt{3})$ 036 $7(\sqrt{3}+1)$

037 $2\sqrt{3}$ m 038 4, 60, $6\sqrt{3}$ 039 $14\sqrt{2}$

040 15 041 $21\sqrt{2}$ 042 25 043 $2\sqrt{3}$

044 8, 120, 8, 60, $10\sqrt{3}$ 045 $3\sqrt{6}$ 046 $3\sqrt{3}$

047 9 048 (1) $4\sqrt{3}$ (2) $12\sqrt{3}$ (3) $16\sqrt{3}$ 049 $\frac{7}{2}$

050 $14\sqrt{3}$ 051 $12\sqrt{3}$ 052 $6\sqrt{2}$ 053 $8\sqrt{3}$

054 20 055 $27\sqrt{2}$ 056 $50\sqrt{2}\,\text{cm}^2$ 057 $14\sqrt{3}$

058 140 059 $30\sqrt{2}$ 060 $18\sqrt{3}$ 061 $45\sqrt{2}$

062 13 cm

기본 문제 × 확인하기

23~25쪽

1 (1) $\frac{3}{5}$ (2) $\frac{4}{5}$ (3) $\frac{3}{4}$ (4) $\frac{4}{5}$ (5) $\frac{3}{5}$ (6) $\frac{4}{3}$

2 (1) $x=8$, $y=2\sqrt{7}$ (2) $x=3\sqrt{3}$, $y=3\sqrt{6}$ (3) $x=\frac{5}{2}$, $y=\frac{\sqrt{89}}{2}$

3 (1) $\cos A=\frac{5}{6}$, $\tan A=\frac{\sqrt{11}}{5}$ (2) $\sin A=\frac{\sqrt{7}}{4}$, $\tan A=\frac{\sqrt{7}}{3}$
(3) $\sin A=\frac{\sqrt{5}}{3}$, $\cos A=\frac{2}{3}$

4 (1) $\sin x=\frac{\sqrt{21}}{5}$, $\cos x=\frac{2}{5}$, $\tan x=\frac{\sqrt{21}}{2}$
(2) $\sin y=\frac{2}{5}$, $\cos y=\frac{\sqrt{21}}{5}$, $\tan y=\frac{2\sqrt{21}}{2}$

5 (1) $\sin x=\frac{4}{5}$, $\cos x=\frac{3}{5}$, $\tan x=\frac{4}{3}$
(2) $\sin x=\frac{3\sqrt{2}}{5}$, $\cos x=\frac{\sqrt{7}}{5}$, $\tan x=\frac{3\sqrt{14}}{7}$

6 (1) $x=8$, $y=4$ (2) $x=\sqrt{6}$, $y=\sqrt{3}$

7 (1) $x=9$, $y=9\sqrt{2}$ (2) $x=4\sqrt{3}$, $y=4$ (3) $x=6$, $y=2\sqrt{3}$

8 (1) $\frac{\sqrt{3}}{3}$ (2) $y=\frac{\sqrt{3}}{3}x+8$

9 (1) 0.7880 (2) 0.6157 (3) 1.2799 (4) 0.6157 (5) 0.7880

10 (1) $\frac{1}{2}$ (2) $\frac{1}{2}$ (3) $-\frac{1}{4}$ (4) $\frac{1}{2}$ (5) 3

11 (1) < (2) > (3) < (4) <

12 (1) 0.5150 (2) 0.8192 (3) 0.6009

13 (1) 34° (2) 33° (3) 32°

14 (1) 31° (2) 32° (3) 33°

15 (1) 5.446 (2) 14.004 (3) 4.145

학교 시험 문제 × 확인하기

26~27쪽

1 $\frac{\sqrt{10}+\sqrt{15}}{5}$ 2 ④ 3 ② 4 ② 5 $\frac{\sqrt{3}+\sqrt{6}}{3}$

6 ④ 7 $y=\sqrt{3}x+2\sqrt{3}$ 8 ④ 9 ⑤ 10 $\tan 68^\circ$

11 ③ 12 36° 13 ①

기본 문제 × 확인하기

41쪽

1 (1) 3.8 (2) 5.3 (3) 20 2 (1) $2\sqrt{7}$ (2) 6

3 (1) $3(3-\sqrt{3})$ (2) $6\sqrt{3}$ 4 (1) $9\sqrt{3}$ (2) $\frac{63}{2}$

5 (1) $56\sqrt{3}$ (2) 7 6 (1) $4\sqrt{10}$ (2) 15

7 (1) $\frac{45\sqrt{3}}{2}$ (2) $56\sqrt{2}$

학교 시험 문제 × 확인하기

42~43쪽

1 ④ 2 ③ 3 ② 4 $5\sqrt{2}$ 5 ⑤ 6 ②

7 ③ 8 60° 9 ④ 10 ⑤

11 (1) $4\sqrt{3}$ (2) $2\sqrt{6}$ (3) $8\sqrt{3}$, 12 (4) $8\sqrt{3}+12$ 12 ③

3 / 원과 직선

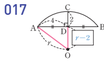
46~57쪽

001 4 002 3 003 12 004 7

005 3, 4, 4, 8 006 $2\sqrt{21}$ 007 13 008 $\sqrt{11}$

009 17, 17, 15, 15, 30 010 8 011 $8\sqrt{3}$ 012 $12\sqrt{3}$

013 8, $x-4$, 8, $x-4$, 10 014 $2\sqrt{6}$ 015 15 016 6

017  / $r-2$, $r-2$, 5, 5

018 13 019 8

020 5

021  / 20, 20, 10, 20,

10, $10\sqrt{3}$, $10\sqrt{3}$,
$20\sqrt{3}$

022 $4\sqrt{3}$ 023 $14\sqrt{3}$

024 12 025 6

026 10 027 8

028 7 029 5 030 6 031 3, 4, 4, 8, 8, 8 032 $4\sqrt{5}$

033 $\sqrt{13}$ 034 $2\sqrt{6}$ 035 이등변, 70 036 55° 037 65°

038 70° 039 30° 040 135° 041 245° 042 $3\sqrt{5}$ 043 $8\sqrt{2}$

044 3 045 5 046 13 047 6 048 4 049 $4\sqrt{3}$

050 $2\sqrt{14}$ 051 $3\sqrt{5}$ 052 15 053 $\overline{PB}$, 이등변, 70, 55

054 63° 055 50° 056 21° 057 7, 7, 3, 3, 5 058 7

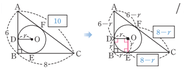
059 11 060 9 061 4 062 5 063 12 064 7

065 40 066 16 067  / $14-x$, 6

068 3

069 8

070 5

071  / 10, $8-r$, 2

072 3

073 3

074 30

075 7 076 10 077 15 078 8 079 2 080 30 cm

081 x, 8, 5 082 14 083 3 084 10

085 4, $x-4$, $x-4$, 6 086 15 087 6 088 $\frac{51}{5}$

기본 문제 × 확인하기

58~59쪽

1 (1) 10 (2) $16\sqrt{2}$ (3) $\frac{25}{3}$ 2 (1) $\frac{13}{2}$ (2) $\frac{39}{2}$

3 (1) $2\sqrt{5}$ (2) 2 (3) 8 4 (1) 62° (2) 151°

5 (1) 24 (2) 8 6 (1) 50° (2) 94°

7 (1) 13 (2) 11 8 (1) 4 (2) 6 (3) $\frac{21}{2}$

9 (1) 17 (2) 12

학교 시험 문제 × 확인하기

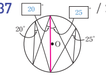
60~61쪽

1 $6\sqrt{3}\pi$ 2 ② 3 ② 4 ⑤ 5 ④ 6 ⑤

7 ① 8 6 cm 9 ④ 10 ① 11 8 12 π

13 ⑤ 14 ③ 15 6

4 / 원주각

64~79쪽 001 $\frac{1}{2}$, $\frac{1}{2}$, 70 002 62° 003 50°
004 35° 005 105° 006 115° 007 80° 008 95°
009 2, 2, 120 010 54° 011 82° 012 218° 013 140°
014 220, 110, 220, 140, 70 015 $\angle x=138^\circ$, $\angle y=111^\circ$
016 $\angle x=77^\circ$, $\angle y=103^\circ$ 017 $\angle x=260^\circ$, $\angle y=50^\circ$
018 56, 112, $\overline{OB}$, 112, 34 019 50° 020 18° 021 25°
022 9 023 50, 130, 130, 65 024 68° 025 40°
026 60° 027 $\angle x=35^\circ$, $\angle y=50^\circ$
028 $\angle x=60^\circ$, $\angle y=25^\circ$ 029 $\angle x=40^\circ$, $\angle y=30^\circ$
030 $\angle x=45^\circ$, $\angle y=90^\circ$ 031 $\angle x=30^\circ$, $\angle y=60^\circ$
032 $\angle x=52^\circ$, $\angle y=104^\circ$ 033 50, 50, 85
034 $\angle x=58^\circ$, $\angle y=124^\circ$ 035 $\angle x=42^\circ$, $\angle y=33^\circ$
036 $\angle x=26^\circ$, $\angle y=58^\circ$
037  / 25, 45
038 60° 039 23° 040 25°
041 96° 042 57° 043 28°
044 90, 35, 90, 55 045 67°
046 61° 047 90, 60, 90, 60, 30 048 37° 049 51°
050 48° 051 32 052 30 053 6 054 15 055 40
056 70 057 20 058 24 059 24 060 68 061 16
062 10 063 21 064 3, 4, 40, 3, 60, 4, 80
065 $\angle x=45^\circ$, $\angle y=60^\circ$, $\angle z=75^\circ$
066 $\angle x=60^\circ$, $\angle y=30^\circ$, $\angle z=90^\circ$
067 ○ 068 × 069 ○ 070 × 071 80° 072 20°
073 70° 074 75° 075 $\angle x=80^\circ$, $\angle y=120^\circ$
076 $\angle x=95^\circ$, $\angle y=105^\circ$ 077 $\angle x=82^\circ$, $\angle y=70^\circ$
078 180, 65, 65, 115 079 110° 080 40° 081 118°
082 125° 083 $\frac{1}{2}$, $\frac{1}{2}$, 40, 40, 140
084 $\angle x=70^\circ$, $\angle y=110^\circ$ 085 83° 086 105° 087 45°
088 30° 089 180, 80, 80 090 60° 091 89° 092 80°
093 60, 30, 30, 85, 85, 95 094 105° 095 120° 096 85°
097 × 098 ○ 099 × 100 ○ 101 90° 102 105°
103 50° 104 36° 105 50° 106 95° 107 100° 108 45°
109 80° 110 20° 111 110° 112 80° 113 30° 114 70°
115 55° 116 30° 117 65° 118 70°
119 CPT, 60, 105, 75, 60, 75, 45
120 $\angle x=45^\circ$, $\angle y=95^\circ$ 121 $\angle x=50^\circ$, $\angle y=110^\circ$
122 $\angle x=40^\circ$, $\angle y=55^\circ$ 123 90, 63, 90, 63, 27, 27, 36
124 20° 125 26° 126 40°

80~81쪽 기본 문제 × 확인하기

1 (1) 32° (2) 101° (3) 66° (4) 226°
2 (1) 77° (2) 64°
3 (1) $\angle x=25^\circ$, $\angle y=50^\circ$ (2) $\angle x=28^\circ$, $\angle y=56^\circ$
4 (1) 65° (2) 53°
5 (1) 50° (2) 52°
6 (1) 22 (2) 18
7 (1) ○ (2) × (3) ○ (4) ○
8 (1) $\angle x=105^\circ$, $\angle y=48^\circ$ (2) $\angle x=75^\circ$, $\angle y=150^\circ$
(3) $\angle x=95^\circ$, $\angle y=95^\circ$ (4) $\angle x=50^\circ$, $\angle y=83^\circ$
9 (1) 117° (2) 52° (3) 40° (4) 23°
10 (1) 28° (2) 50°

82~83쪽 학교 시험 문제 × 확인하기

1 ③ 2 70° 3 ② 4 ① 5 84° 6 ①
7 ④ 8 (1) 78° (2) 80° 9 ③ 10 65° 11 ⑤
12 ㄱ, ㄹ 13 ② 14 26°

5 / 산포도

86~91쪽 001 2, −1, 1
002 −8, 10, −6, 0, 4 003 9, 2, 8, 11, 5
004 15, 16, 23, 12, 14 005 8 / −3, 4, −2, 1
006 12 / −4, 2, −1, 3 007 25 / −10, 2, 11, −8, 5
008 36 / 4, −6, 2, 1, −1 009 0, −6 010 2
011 −9 012 4 013 0 014 −2
015 ❶ 0, −2 ❷ −2, 73 016 24회 017 7회
018 169 cm
019 ❶ 3 ❷ −1, 0, 2, −2, 1 ❸ 10 ❹ 2 ❺ $\sqrt{2}$
020 ❶ 16 ❷ 1, 0, −2, 2, −4, 3 ❸ 34 ❹ $\frac{17}{3}$ ❺ $\frac{\sqrt{51}}{3}$
021 분산: 6, 표준편차: $\sqrt{6}$ 022 분산: 28, 표준편차: $2\sqrt{7}$
023 분산: 18, 표준편차: $3\sqrt{2}$ 024 분산: 12, 표준편차: $2\sqrt{3}$분
025 ❶ −1 ❷ 20 ❸ 5 ❹ $\sqrt{5}$
026 분산: $\frac{15}{2}$, 표준편차: $\frac{\sqrt{30}}{2}$ 027 분산: 16, 표준편차: 4
028 분산: $\frac{28}{3}$, 표준편차: $\frac{2\sqrt{21}}{3}$
029 ❶ 3 ❷ 30 ❸ 6 ❹ $\sqrt{6}$ 030 분산: $\frac{16}{3}$, 표준편차: $\frac{4\sqrt{3}}{3}$
031 분산: $\frac{14}{3}$, 표준편차: $\frac{\sqrt{42}}{3}$ 032 분산: 28, 표준편차: $2\sqrt{7}$
033 ㄹ 034 ㄷ 035 C 모둠 036 A 모둠
037 × 038 ○ 039 ○ 040 × 041 × 042 ○
043 ○ 044 × 045 ○ 046 × 047 × 048 ○
049 × 050 × 051 ○ 052 ○

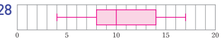
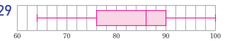
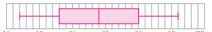
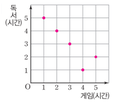
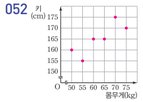
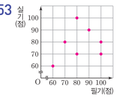
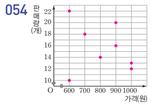
92쪽 기본 문제 × 확인하기

1 (1) 21 / −8, 2, 6, −6, 6 (2) 11 / 7, −5, 4, 3, −3, −6
2 (1) −7 (2) 1
3 (1) 71점 (2) 78점
4 (1) 분산: 6.8, 표준편차: $\sqrt{6.8}$ (2) 분산: 32, 표준편차: $4\sqrt{2}$
5 (1) 분산: 6, 표준편차: $\sqrt{6}$ (2) 분산: 31.6, 표준편차: $\sqrt{31.6}$
6 (1) 분산: $\frac{10}{3}$, 표준편차: $\frac{\sqrt{30}}{3}$ (2) 분산: $\frac{25}{3}$, 표준편차: $\frac{5\sqrt{3}}{3}$
7 (1) 3반 (2) 1반
8 (1) × (2) × (3) ○ (4) ×

93쪽 학교 시험 문제 × 확인하기

1 ② 2 $\frac{23}{3}$ 3 $\sqrt{22}$점 4 ⑤ 5 ㄷ, ㄴ 6 ⑤
7 ④

6 / 상자그림과 산점도

96~106쪽 001 31 002 58 003 42 004 38
005 53 006 2 007 15 008 9 009 3 010 10
011 6, 8, 9, 11, 14, 17, 19, 23, 27 012 6개 013 27개
014 14개 015 8.5개 016 21개
017 14, 19, 22, 26, 28, 32, 33, 39, 45, 47 018 14세 019 47세
020 30세 021 22세 022 39세 023 31 024 11, 4, 6, 17, 15
025 $a=7$, $b=16$ 026 $a=11$, $b=15$ 027 $a=28$, $b=34$
028 
029 
030 
031 12건, 18건, 24건, 30건, 36건 / 
032 2시간, 4시간, 9시간, 15시간, 18시간 / 
033 54점 034 64점 035 88점 036 약 50% 037 ㉢
038 17시간 039 10시간 040 5시간
041 8시간 042 약 25% 043 2점 044 A반
045 B반 046 (1) × (2) ○ (3) × 047 5명
048 편의점 A 049 편의점 B
050 (1) × (2) × (3) ○
051 
052 
053 
054 
055 3명 056 1명 057 4명 058 5명 059 3명 060 2명
061 5명 062 35회 063 20% 064 5명 065 5회 066 4명
067 $\frac{1}{4}$ 068 40% 069 1.5 070 증가 / ㄱ, ㄹ
071 감소 / ㄴ, ㅁ 072 ㄷ, ㅂ 073 ㄱ 074 ㅁ
075 양 076 음 077 × 078 × 079 음 080 ×
081 음 082 양 083 ㄹ 084 ㄱ 085 ㄱ 086 ④
087 × 088 ○ 089 ○ 090 ○ 091 양의 상관관계
092 A 093 B 094 E

107~108쪽 기본 문제 × 확인하기

1 (1) 제1사분위수: 12, 제2사분위수: 16.5, 제3사분위수: 20
(2) 제1사분위수: 37.5, 제2사분위수: 41, 제3사분위수: 46
(3) 제1사분위수: 4, 제2사분위수: 11, 제3사분위수: 17
2 (1) 
(2) 
3 (1) 22 (2) 36 (3) 50 (4) 36
4 (1) 5g (2) 농장 B (3) 농장 A
5 (1) 4명 (2) 90점 (3) 4명 (4) $\frac{3}{25}$ (5) 44% (6) 40점
6 (1) 양 (2) 음 (3) × (4) 양 (5) 음
7 (1) ○ (2) × (3) ○ (4) ○ (5) ×

109~110쪽 학교 시험 문제 × 확인하기

1 ④ 2 ③ 3 B 4 ① 5 ②, ③ 6 ③
7 ② 8 4 m 9 ④ 10 ⑤ 11 ③