

28 面積のいろいろな単位

❖問題❖

→p.134~p.135

- 1 (1) 60 m^2 (2) 1600 m^2
- 2 (1) 78 km^2 (2) 49 km^2
- 3 18 m
- 4 (1) 60000 (2) 8000000
(3) 30 (4) 5
- 5 54 a
- 6 104 ha

解説

- 1 (1) $5 \times 12 = 60$ より, 60 m^2
- 2 (1) $13 \times 6 = 78$ より, 78 km^2
- 3 たての長さを $\square \text{ m}$ とすると, $\square \times 15 = 270$
 $\square = 270 \div 15 = 18$
- 4 (3) $300000 \div 10000 = 30$
(4) $5000000 \div 1000000 = 5$
- 5 $60 \times 90 = 5400$ $5400 \div 100 = 54$
- 6 $800 \times 1300 = 1040000$
 $1040000 \div 10000 = 104$

❖確認問題❖

→p.136

- 1 (1) 9 m^2 (2) 266 km^2 (3) 17 m
- 2 (1) 20000 (2) 13000000
(3) 8 (4) 450 (5) 610
(6) 37 (7) 9400000 (8) 26
- 3 (1) 18 m^2 (2) 4 km^2
- 4 (1) 82 m^2 (2) 118 m^2

解説

- 1 (3) $68 \div 4 = 17$ より, 17 m
- 2 (5) $1 \text{ a} = 100 \text{ m}^2$ $61000 \div 100 = 610$
(6) $1 \text{ ha} = 10000 \text{ m}^2$ $370000 \div 10000 = 37$
(7) $940 \times 10000 = 9400000$
(8) $1 \text{ a} = 100 \text{ m}^2$, $1 \text{ ha} = 10000 \text{ m}^2$

$$10000 \div 100 = 100 \text{ より, } 1 \text{ ha} = 100 \text{ a}$$

$$2600 \div 100 = 26$$

- 3 (1) $30 \text{ m} = 3000 \text{ cm}$ $60 \times 3000 = 180000$
 $180000 \text{ cm}^2 = 18 \text{ m}^2$
- (2) $5 \text{ km} = 5000 \text{ m}$ $5000 \times 800 = 4000000$
 $4000000 \text{ m}^2 = 4 \text{ km}^2$
- 4 (1) $7 \times (18 - 11) + 3 \times 11 = 49 + 33 = 82$
(2) $5 \times 2 + (4 + 5) \times 12 = 10 + 108 = 118$

❖練習問題❖

→p.137

- 1 (1) 540000 m^2 (2) 28 km^2
(3) 25600 ha
- 2 (1) 122 m^2 (2) 555 m^2
- 3 (1) 168 m^2 (2) 12
- 4 (1) 1347 m^2 (2) 502 m^2

解説

- 1 (2) $4 \times 7 = 28$ より, 28 km^2
(3) $16 \times 16 = 256$ より, 256 km^2
 $256 \text{ km}^2 = 256000000 \text{ m}^2 = 25600 \text{ ha}$
- 2 (1) $5 \times 9 + 5 \times (6 + 7) + (12 - 5 - 5) \times 6$
 $= 45 + 65 + 12 = 122$
(2) $12 \times 10 + 15 \times 16 + (17 - 12) \times (10 + 13 + 16)$
 $= 120 + 240 + 195 = 555$
- 3 (1) 区画全体の面積から, ナス畑の面積をひけばよい。 $14 \times 20 - 7 \times 16 = 280 - 112 = 168$
(2) $168 \div 14 = 12$
- 4 (1) $15 \times 13 + (11 + 15) \times 18 + (10 + 11 + 15) \times 19$
 $= 195 + 468 + 684 = 1347$
(2) 公園のまわりの長さは,
 $(15 + 13 + 11 + 18 + 10 + 19) \times 2 = 172$ より,
 172 m だから, 正方形の土地の1
辺の長さは, $172 \div 4 = 43$ より, 43 m
面積は, $43 \times 43 = 1849$ より, 1849 m^2
 $1849 - 1347 = 502$