

基礎数学（毎日）第1回小テスト解答

1

(1) $120 = 2^3 \times 3 \times 5$

(2) $126 = 2 \times 3^2 \times 7$

(3) 120 と 126 の最大公約数は $2 \times 3 = 6$

(4) 120 と 126 の最小公倍数は $2^3 \times 3^2 \times 5 \times 7 = 2520$

2

(1) $\frac{55}{9} = 6.11111\cdots = 6.\dot{1}$

(2) $\frac{52}{11} = 4.727272\cdots = 4.\dot{7}\dot{2}$

3 $0.\dot{3}2\dot{1} = \frac{107}{333}$

4

(1) $|\sqrt{3} - 1| + 1 = \sqrt{3}$

(2) $|\pi - 4| - |\pi - 3| = 7 - 2\pi$

(3) $|\sqrt{3} - 3| + 2 = 5 - \sqrt{3}$

(4) $\sqrt{27} \times \sqrt{33} = 9\sqrt{11}$

(5) $\sqrt{63} - \sqrt{28} = \sqrt{7}$