

7.1. 7 60% 62,5% ?
 : 21 14 : $\frac{d}{d+m} = 0,6$ $\frac{d-1}{d+m-3} = 0,625$ $2d = 3m$.
 $m = \frac{2}{3}d$, $d = 21$, $m = 14$.

7.2. 9, 8. ()
 : 4 : 224; 449; 674; 899. $100x + y = 9y + 8 \Leftrightarrow 2y + 2 = 25x$.
 : $x = 2z$ $z (z \leq 4)$. $y + 1 = 25z$, + 1
 : 25; 50; 75; 100, 2; 4; 6; 8.

7.3. 1, 2, ..., 12 25.
 $(1 + 2 + \dots + 12) \cdot 2 = 156$,
 $\frac{156}{6} = 26$. ($25 \cdot 6 = 150 < 156$).

7.4. m, n $9m = 11n$. , $m + n = 20$.
 $m = 11k$, $9 \cdot 11k = 11n \Leftrightarrow n = 9k$, $m + n = 11k + 9k = 20k$. 11, 9.

7.5. 12.
 $a, b (a < b)$ - , $ab = 3(2a + 2b)$,
 $(a-6)(b-6) = 36$. - 6 $b - 6$, 6,
 $(a-6)(b-6) < 36$,
 $\frac{-6}{-6} \frac{b-6}{b-6} 6 ($)
 $(a-6)(b-6) = (6-a)(6-b) < 6 \cdot 6$,
 $a-6 < 6$ $b-6 > 6$, . . $a < 12, b > 12$