

I СПОСОБИ ПРАЦІ

① A ... 12h ... $\frac{1}{12} \dots \frac{x}{12}$
 B ... 9h ... $\frac{1}{9} \dots \frac{x}{9}$
 C ... 4h ... $\frac{1}{4} \dots \frac{x}{4}$
 Всього ... x

$$\frac{x}{12} + \frac{x}{9} + \frac{x}{4} = 11.36$$

$$3x + 4x + 9x = 36$$

$$16x = 36$$

$$x = \frac{36}{16} = 2.25 \text{ h}$$

② 1 ... 2h ... $\frac{1}{2} \dots \frac{x+1}{2}$
 2 ... 3h ... $\frac{1}{3} \dots \frac{x}{3}$
 Обс ... x

$$\frac{x+1}{2} + \frac{x}{3} = 11.6$$

$$3(x+1) + 2x = 6$$

$$3x + 3 + 2x = 6$$

$$5x = 3$$

$$x = \frac{3}{5} = 0.6 \text{ h}$$

Всього $\frac{1}{2} + 1 = 1.5 \text{ h}$
 $\frac{1.6}{0.6} = 2.67$

③

1 ... 12 ... $\frac{1}{12} \dots \frac{x+2}{12}$
 2 ... 18 ... $\frac{1}{18} \dots \frac{x}{18}$
 Обс ... x

$$\frac{x+2}{12} + \frac{x}{18} = 11.36$$

$$3(x+2) + 2x = 36$$

$$3x + 6 + 2x = 36$$

$$5x = 30$$

$$x = 6$$

Всього $6 + 2 = 8 \text{ h}$

II ПРОЦЕНТА

① 1. $x - 0.2x = 0.8x \dots 340 \text{ k}$
 2. $x \dots 425 \text{ k}$
 3. $x + 45 \dots 470 \text{ k}$
 $\sum 1235$

$$0.8x + x + x + 45 = 1235$$

$$x = 425$$

② 1 ... x ... 5h
 2 ... $x + 0.2x = 1.2x$... 6h
 3 ... $1.2x + 0.2 \cdot 1.2x = 1.44x$... 4h
 $\sum 18.2$... 0.24

$$x + 1.2x + 1.44x = 18.2$$

$$x = 5$$

IV СМІСІ

① 1. Девч x 3 листи 3x
 2. Девч y 4 листи 4y
 Всього 83 306

$$x + y = 83 \quad | \cdot 3$$

$$3x + 4y = 306 \quad | \cdot (-1)$$

$$3x + 3y = 249$$

$$-3x - 4y = -306$$

$$-y = -57$$

$$y = 57$$

$$x = 26$$

② 1. Девч x 25л 25x
 2. Девч y 35л 35y
 Всього 22 630

$$x + y = 22$$

$$25x + 35y = 630$$

$$x = 14 \quad y = 8$$

④ 1. $0.5y \cdot 300 = 150$
 2. $2.5y \cdot 120 = 300$
 Сміс 3y x 3x

$$150 + 300 = 3x$$

$$x = 150 \text{ k}$$

③ 1. Девч x 160к 160x
 2. Девч y 220к 220y
 Сміс 20 205к 205 \cdot 20

$$x + y = 20$$

$$160x + 220y = 4100$$

$$x = 5 \quad y = 15$$

⑤ Купівля 1kg
 1. y 200 800
 2. x 100 100x
 Сміс (y+x) 140 140(y+x)
 $800 + 100x = 140(y+x)$
 $x = 6.8$