

HW 1 58.

#1. $1 - 0.85 = 0.15$

$$0.15 \cdot 200 = 30 \text{ kg}$$

(or in %.

$$100 - 85 = 15\%$$

$$\frac{200}{100} \cdot 15 = 30 \text{ kg})$$

#2. 5 kg of dried mush, is 10% of the initial weight)

$$\frac{5}{10} \cdot 100 = 50 \text{ kg}$$

(or $5 : 0.1 = 50 \text{ kg}$)

#3. $20 : 33\frac{1}{3} = \frac{4\frac{7}{25} - 1.28}{0.75 + 3\frac{1}{4}} \cdot 0.2$

$$\begin{aligned} 1. \quad 20 : 33\frac{1}{3} &= 20 : \frac{100}{3} = 20 \cdot \frac{3}{100} = \\ &= \frac{60}{100} = \frac{3}{5} \end{aligned}$$

$$2. \quad 4\frac{7}{25} - 1.28 = 4.28 - 1.28 = 3$$

$$\left(\frac{7}{25} = \frac{7 \cdot 4}{25 \cdot 4} = \frac{28}{100} = 0.28 \right)$$

$$3. \quad 0.75 + 3\frac{1}{4} = 0.75 + 3.25 = 4.$$

$$4. \quad \frac{3}{4} \cdot 0.2 = \frac{3}{4} \cdot \frac{1}{5} = \frac{3}{20}.$$

$$5. \quad \frac{3}{5} - \frac{3}{20} = \frac{12}{20} - \frac{3}{20} = \boxed{\frac{9}{20}} = \frac{9.5}{20.5}$$

$$= \frac{45}{100} = \boxed{0.45}$$

$$\#4 \quad \frac{3}{5} \cdot 155 = 93$$

$$155 - 93 = 62$$

$$62 : 2 = 31 \text{ like language or}$$

$$\#5, \quad 2 - 3 = -1$$

$$2 - (-3) = 2 + 3 = 5$$

$$2 + (-3) = -1$$

$$55 - 67 = -(67 - 55) = -12$$

$$12 \quad 25673 - 34512 = -8839$$

$$\#6. \quad 35 : 7 = 5$$

$$60 : 10 = 6.$$

$$6 - 5 = 1 \quad 1 \text{ bucket of food}$$

1 baby el. eat per day

$$5 - 1 = 4. \text{ buckets of food}$$

an elephant eats per day.