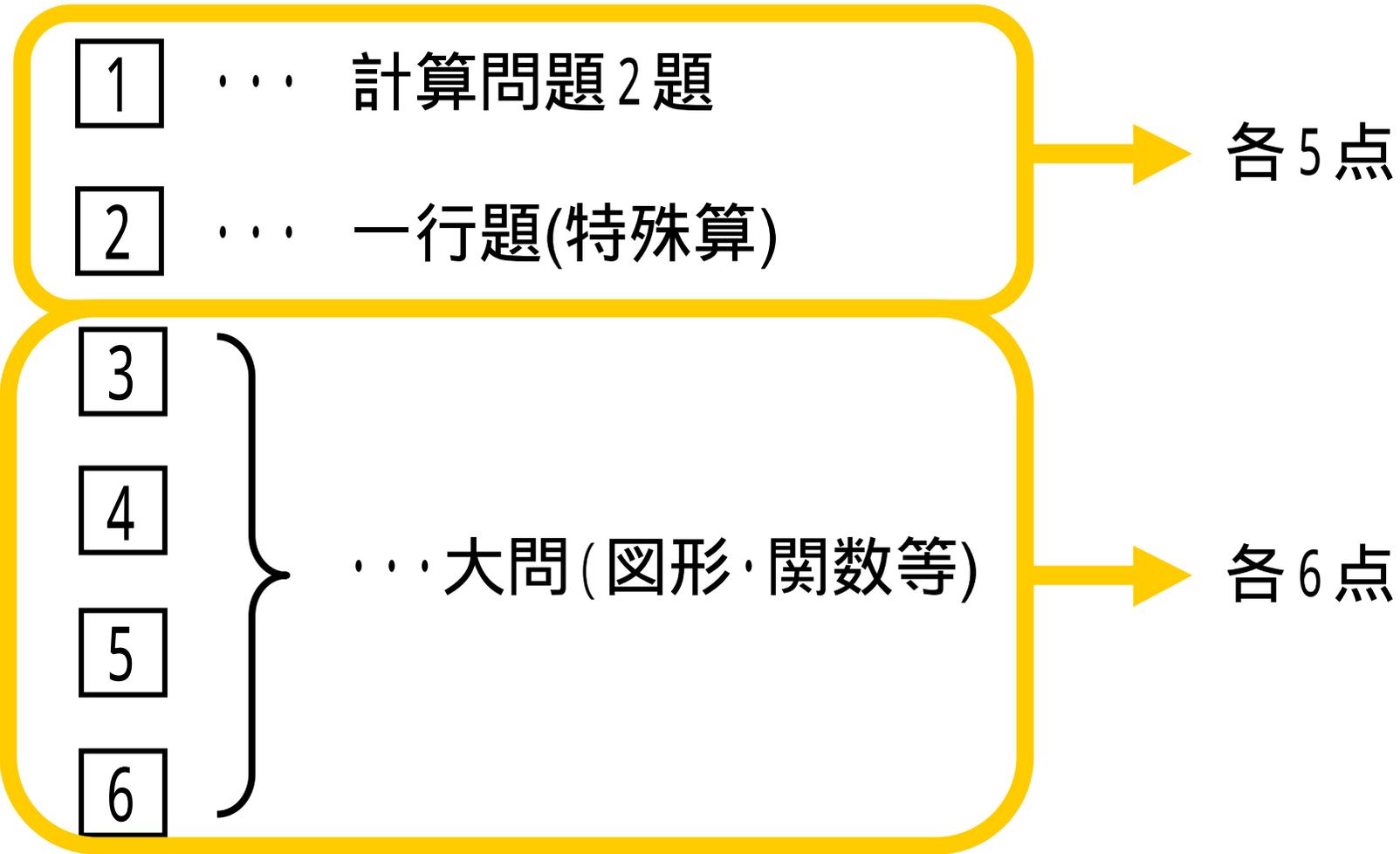


算数

第2回

問題解説

# 問題の構成

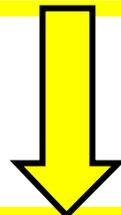


記述式問題... 3 問

2

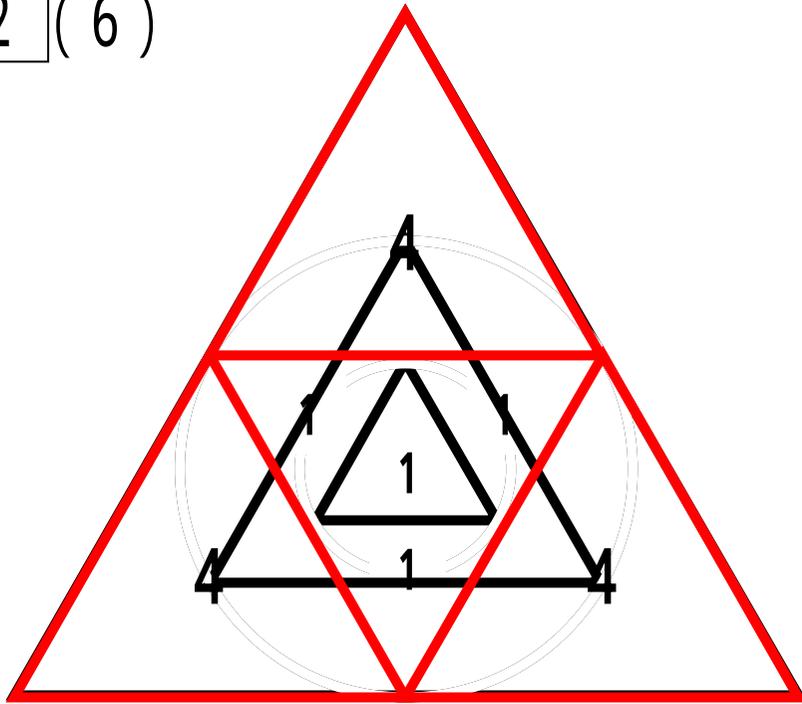
## 1行問題

- (1) 数の性質
- (2) 組合せ
- (3) 割合
- (4) 速さ
- (5) 推理算
- (6) 面積比



各項目の基本事項が  
定着しているかを確認

2 (6)



一番小さい三角形

1



4倍

赤い三角形

4



4倍

一番大きい三角形

16

答え

16 : 1

3 (1)

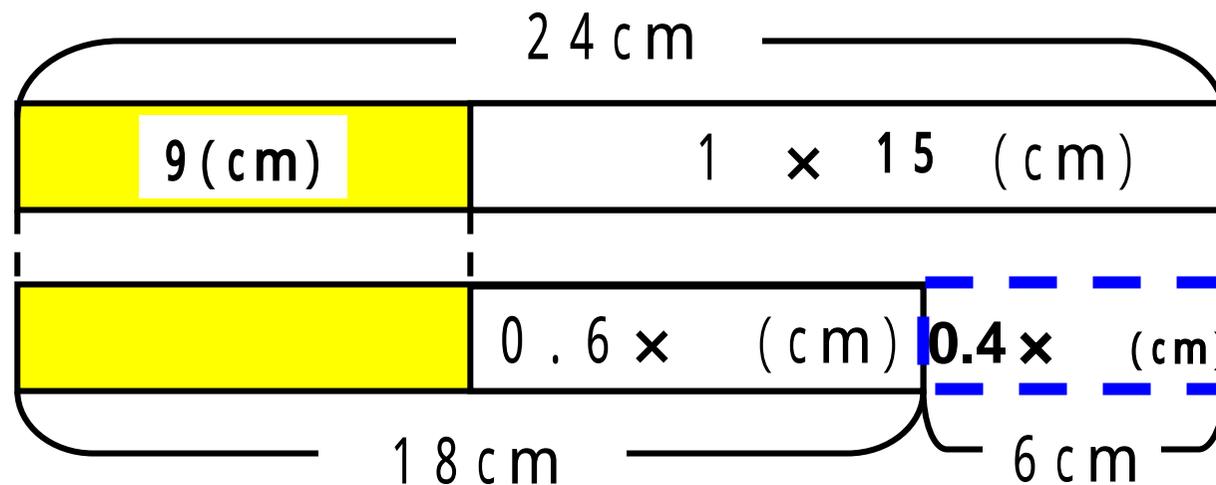
$$\text{ろうそく B} \cdots 18 \div 0.6 = 30 (\text{分})$$

$$\text{ろうそく A} \cdots 30 - 3 - 3 = 24 (\text{分})$$

$$24 \div 24 = (\text{毎分}) 1 (\text{cm})$$

3 (2)

ろうそく A



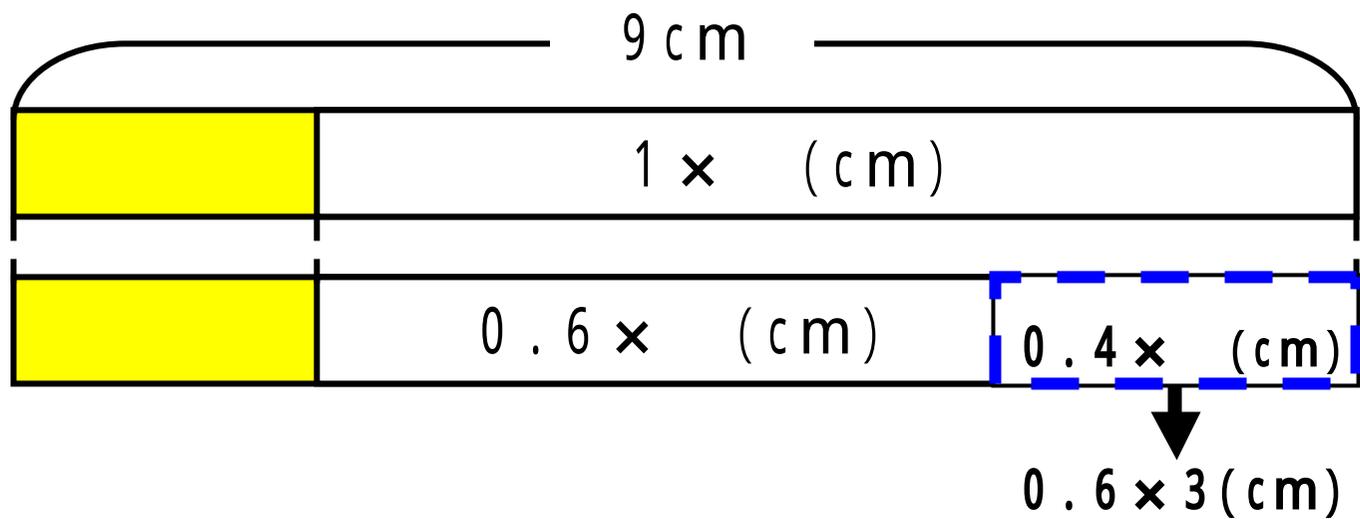
$$0.4 \times = 6$$

$$= 15 (\text{分後})$$

3 (2)

ろうそくA

ろうそくB



$$0.4x = 0.6 \times 3$$

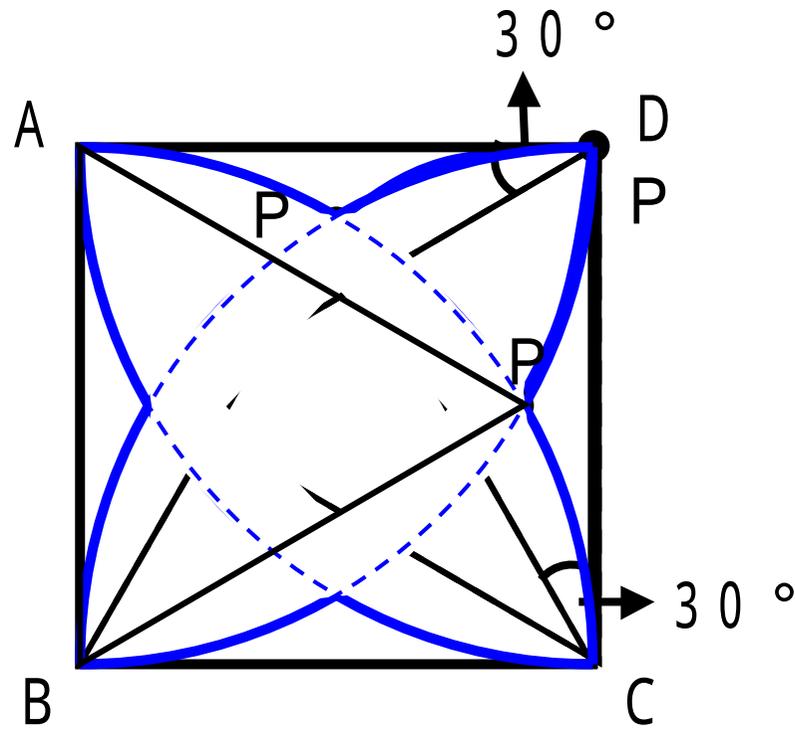
$$= 4.5 \text{ (分後)}$$

$$15 + 3 + 4.5 = 22.5 \text{ (分後)}$$

3 (3)

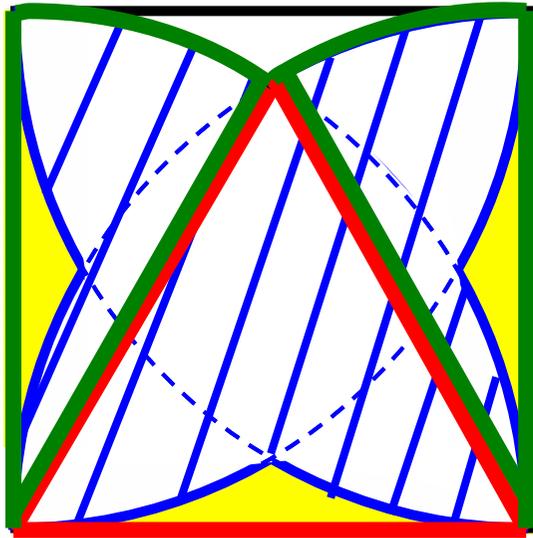
$$24 + 1 \times 3 = 27 \text{ (cm)}$$

4 (1)



$$2 \times 4 \times 3 \times \frac{30 \times 8}{360} = 16 (\text{cm})$$

4 (2)



$$\begin{aligned}
 & \text{[Diagram of a blue figure with two overlapping circles]} = 6 + 8 - 3 \times 2 = 8 \text{ (cm}^2\text{)} \\
 & = \text{[Red triangle]} + \text{[Green shape]} - 3 \times \text{[Yellow shape]}
 \end{aligned}$$

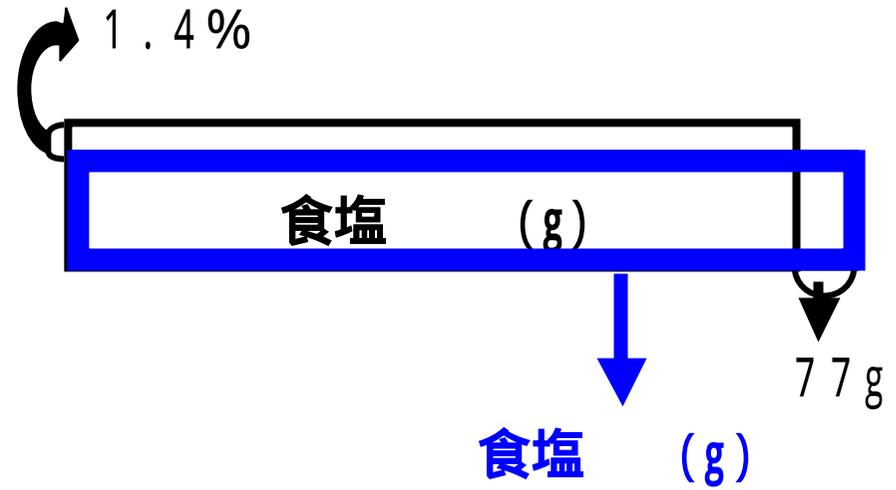
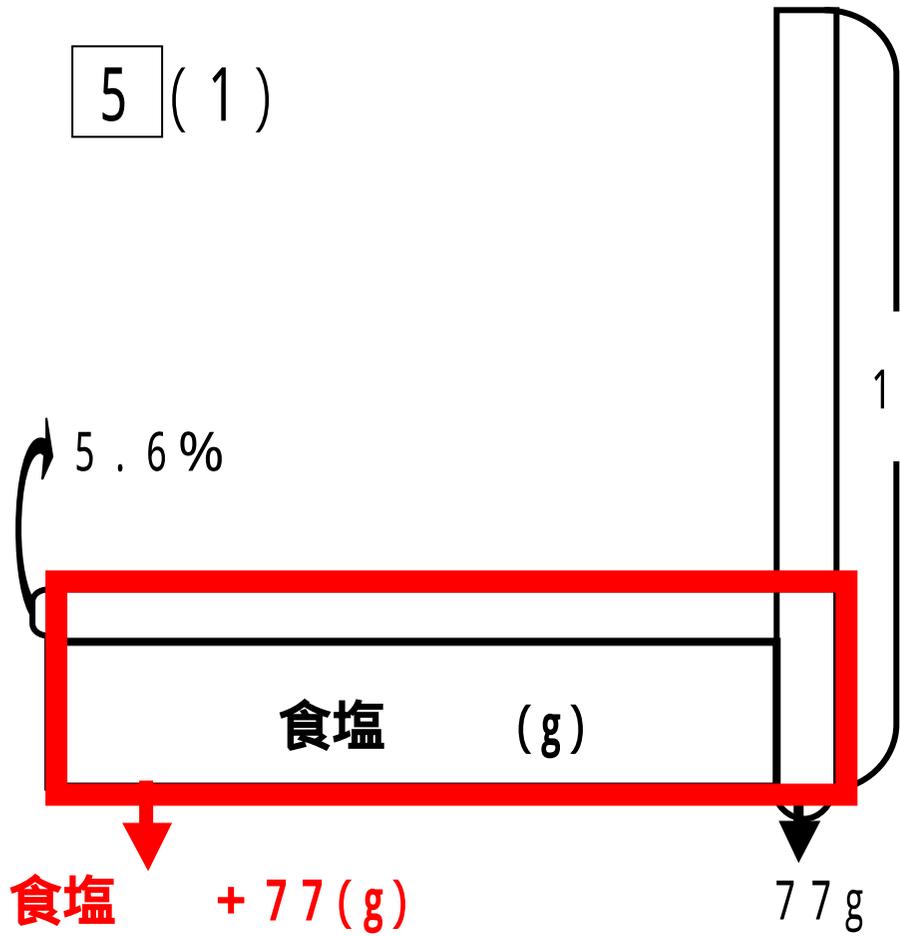
$$\text{[Red triangle]} = 4 \times 3 \div 2 = 6 \text{ (cm}^2\text{)}$$

$$\text{[Green shape]} = 4 \times 4 \times 3 \times \frac{30}{360} \times 2 = 8 \text{ (cm}^2\text{)}$$

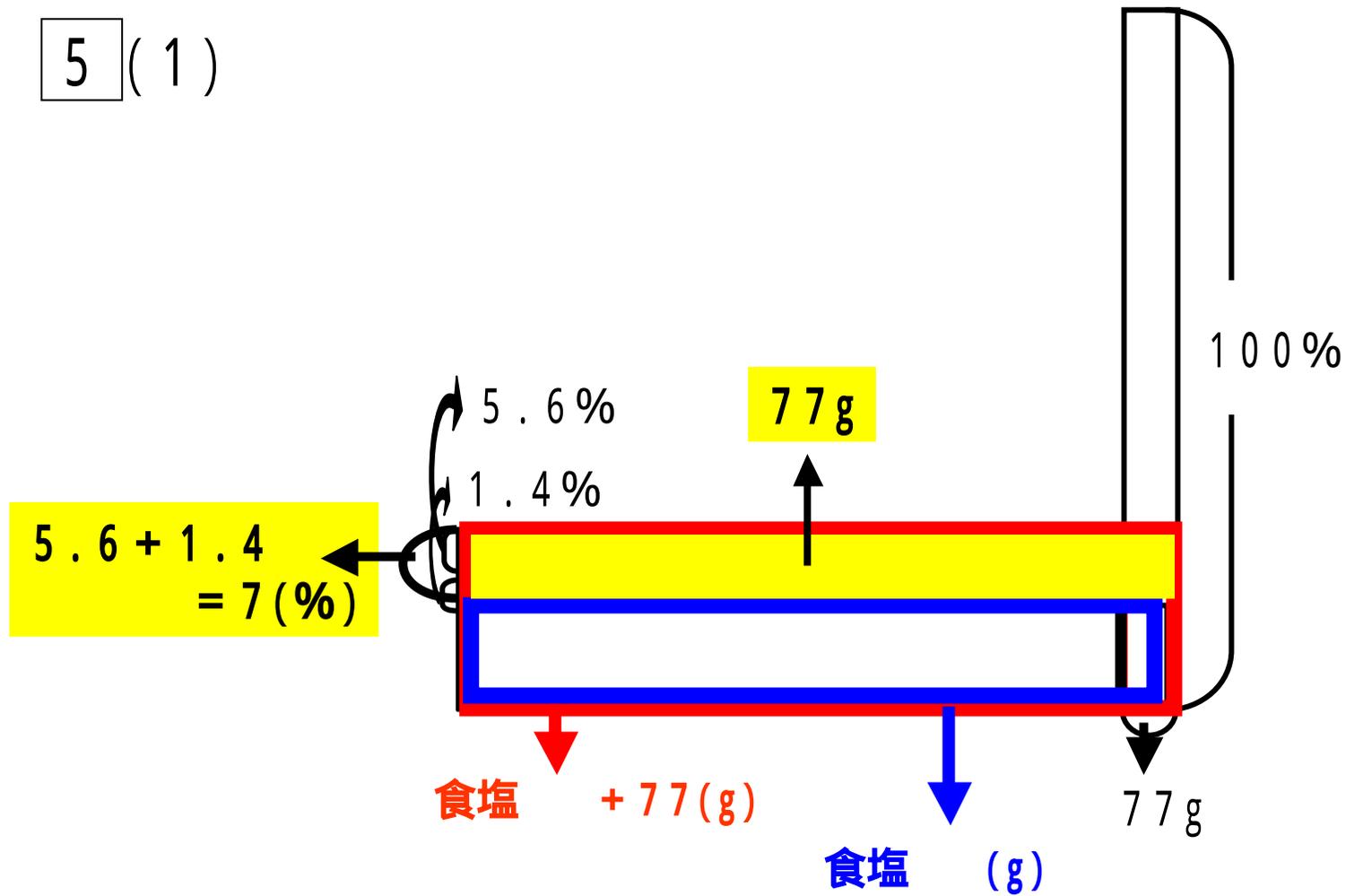
$$\text{[Yellow shape]} = \text{[Square]} - \text{[Red triangle]} - \text{[Green shape]}$$

$$= 4 \times 4 - 6 - 8 = 2 \text{ (cm}^2\text{)}$$

5 (1)



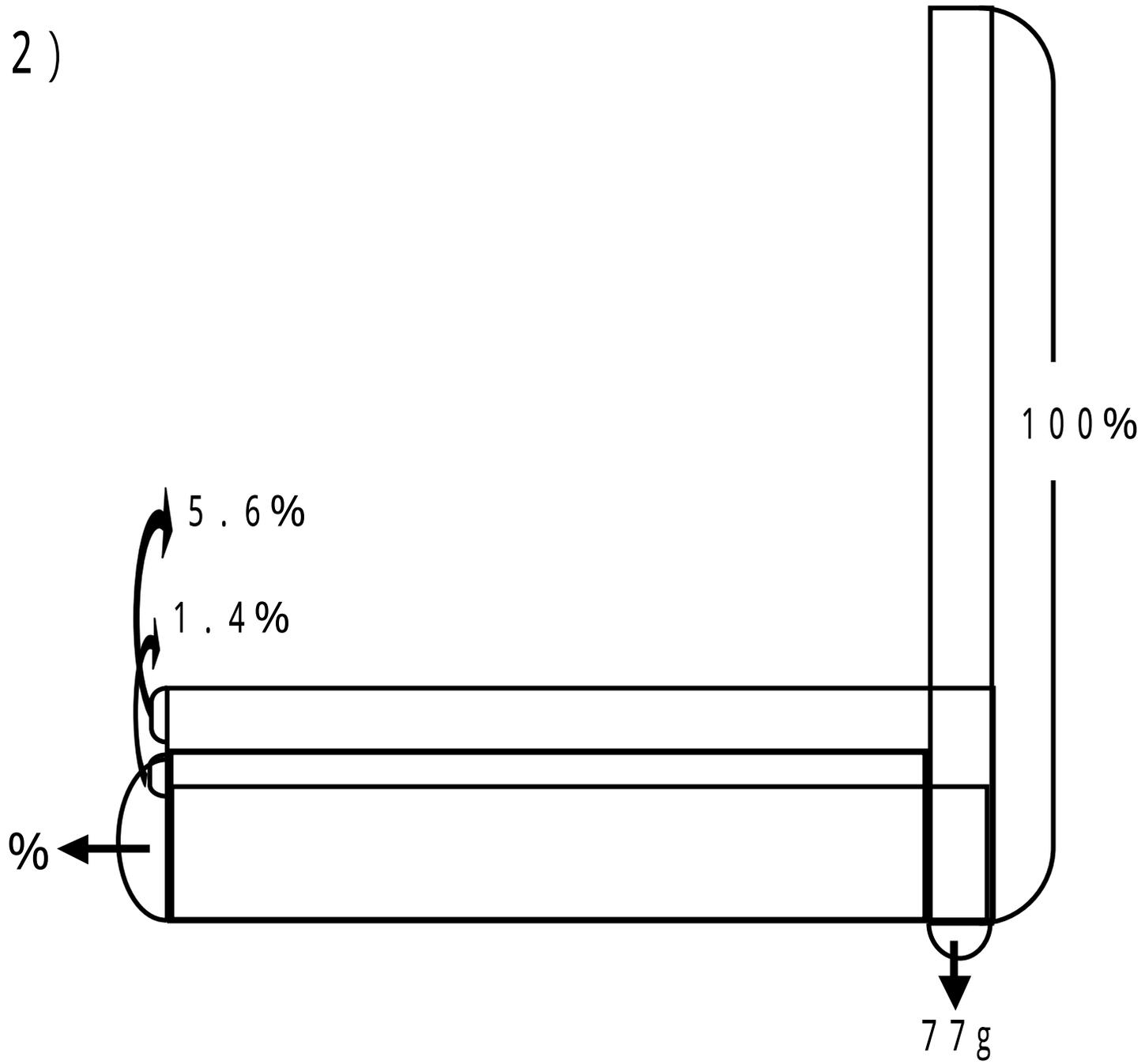
5 (1)



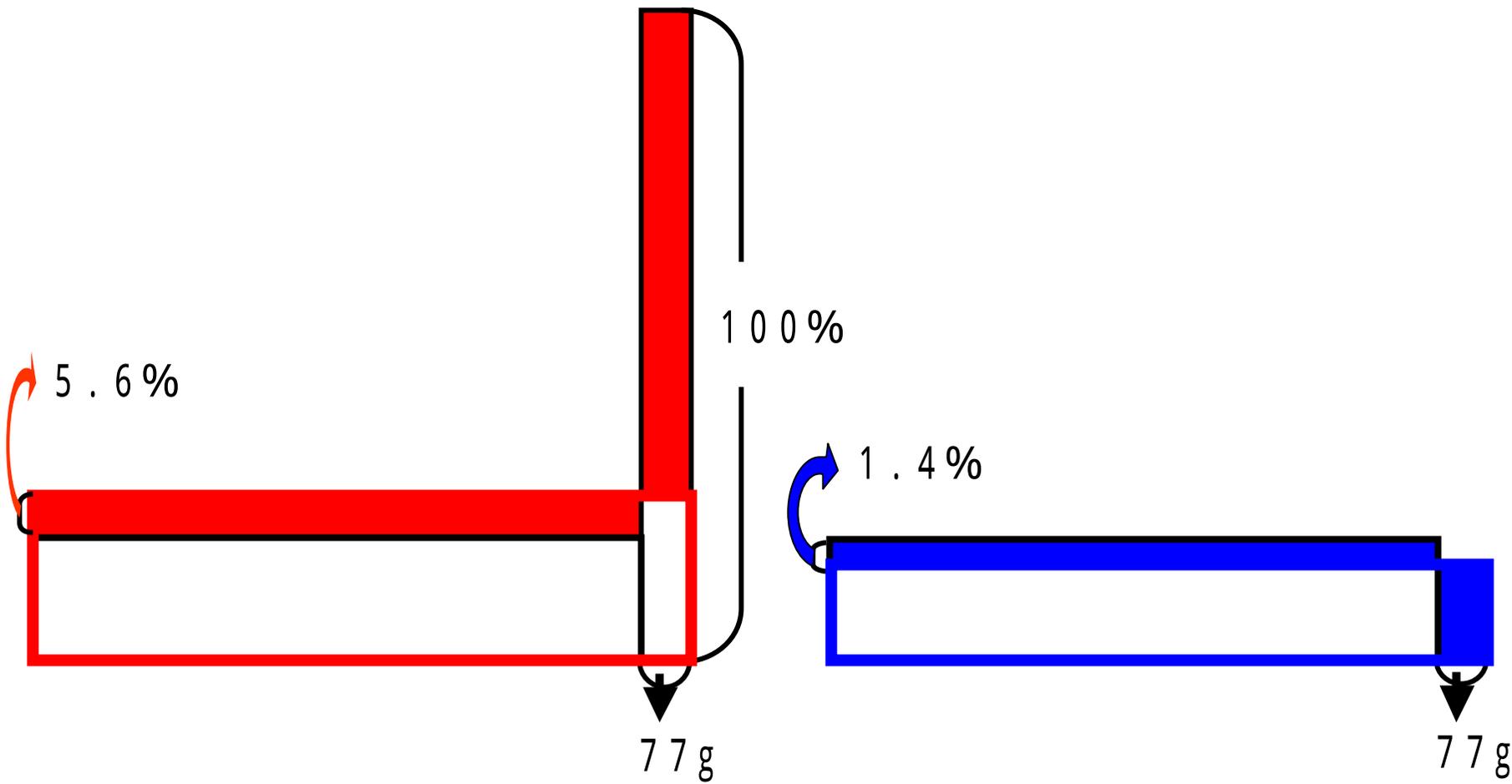
$$77 \div \frac{7}{100} = 1100(\text{g})$$

$$1100 - 77 = 1023(\text{g})$$

5 ( 2 )



5 ( 2 )



5 (2)

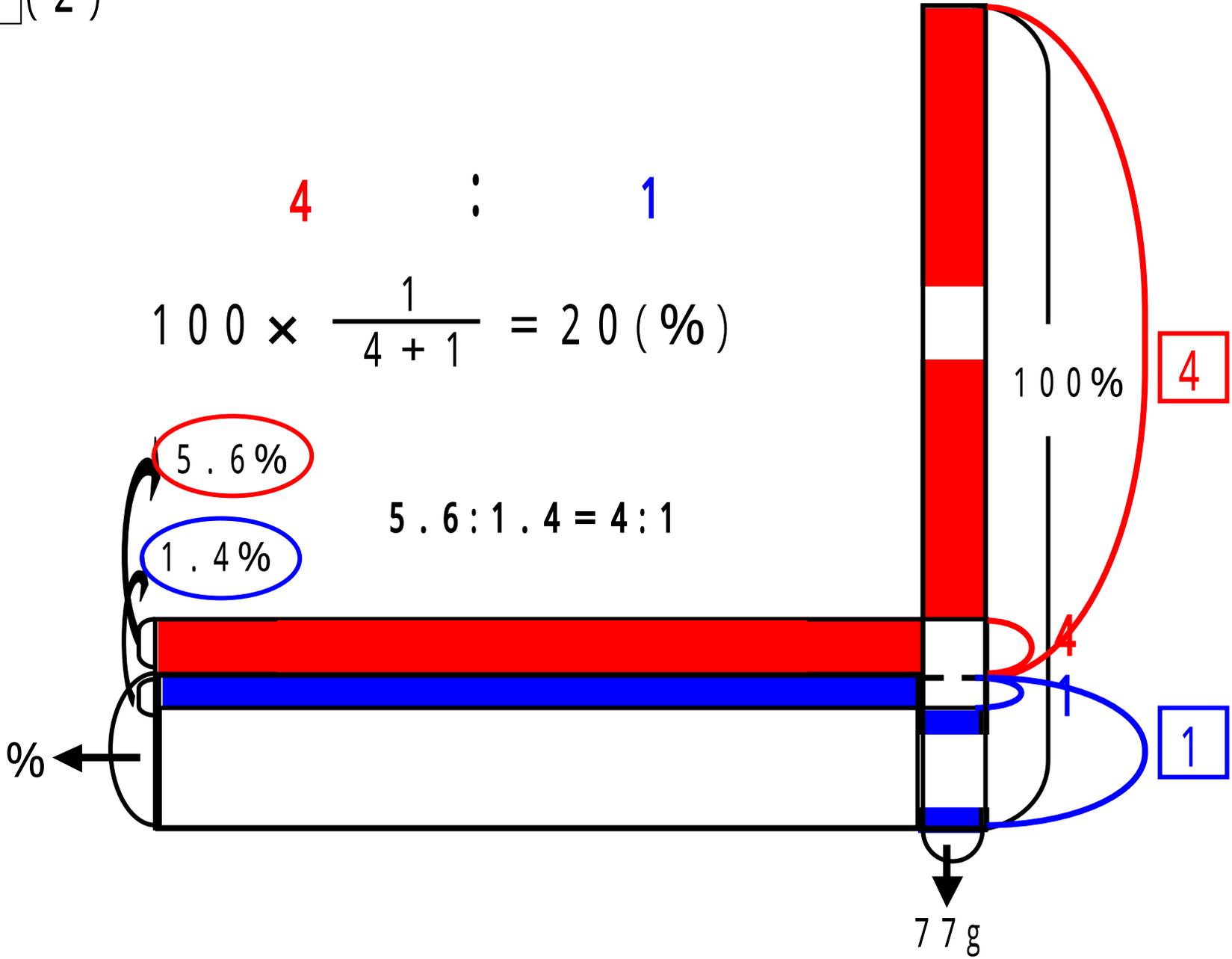
4 : 1

$$100 \times \frac{1}{4 + 1} = 20 (\%)$$

5.6%

1.4%

$$5.6 : 1.4 = 4 : 1$$

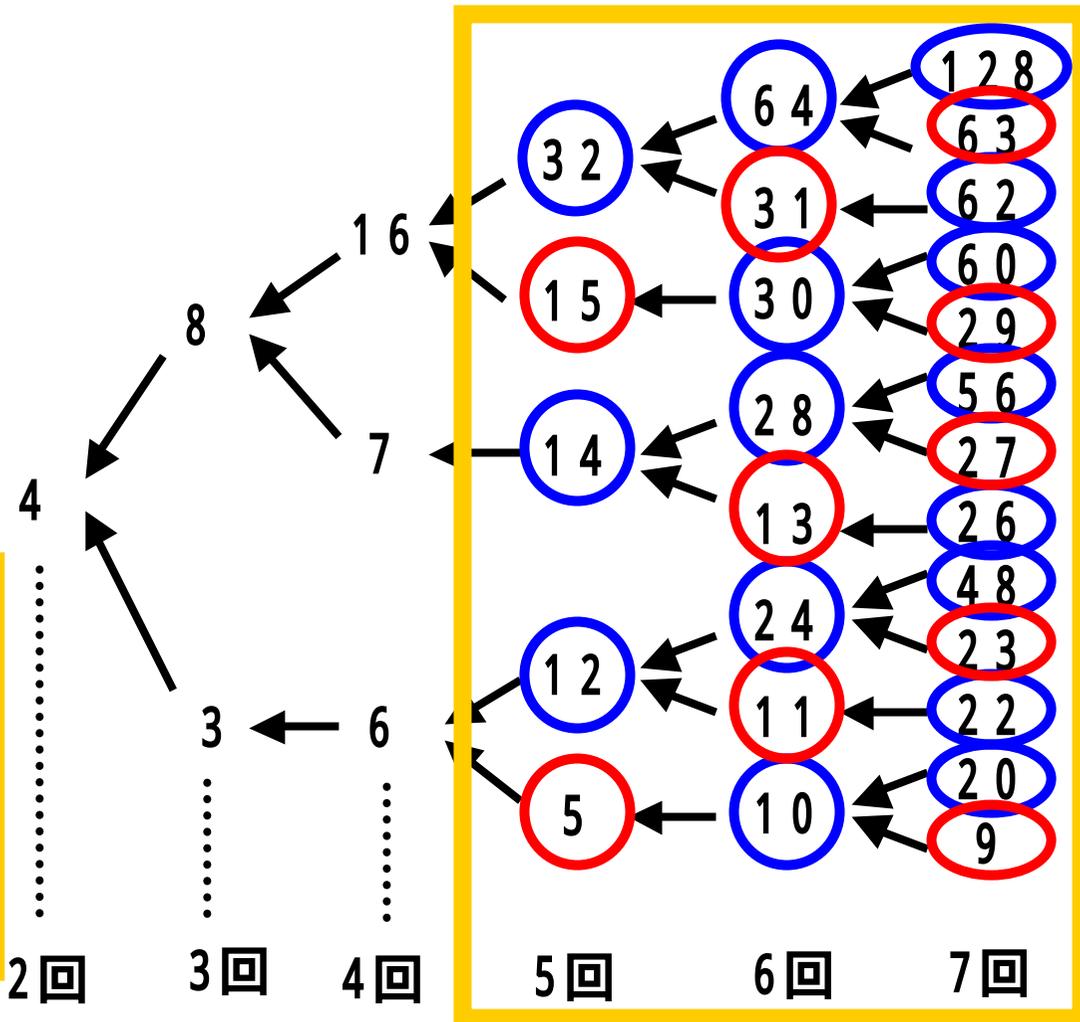
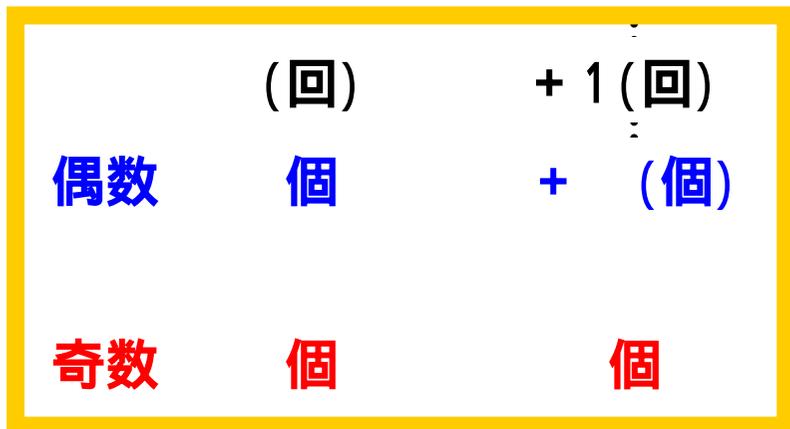


6 (1)  $11 \rightarrow 11 + 1 = 12 \rightarrow 12 \div 2 = 6 \rightarrow 6 \div 2 = 3$   
 $\rightarrow 3 + 1 = 4 \rightarrow 4 \div 2 = 2 \rightarrow 2 \div 2 = 1$

6 (2)

	5回	6回	7回
偶数	3個	5個	8個
奇数	2個	3個	5個

1 ← 2 ← 4



(回) + 1 (回)  
偶数 個 + (個)

奇数 個 個

10回で終了... 55個

偶数

34個

奇数

21個

11回で終了

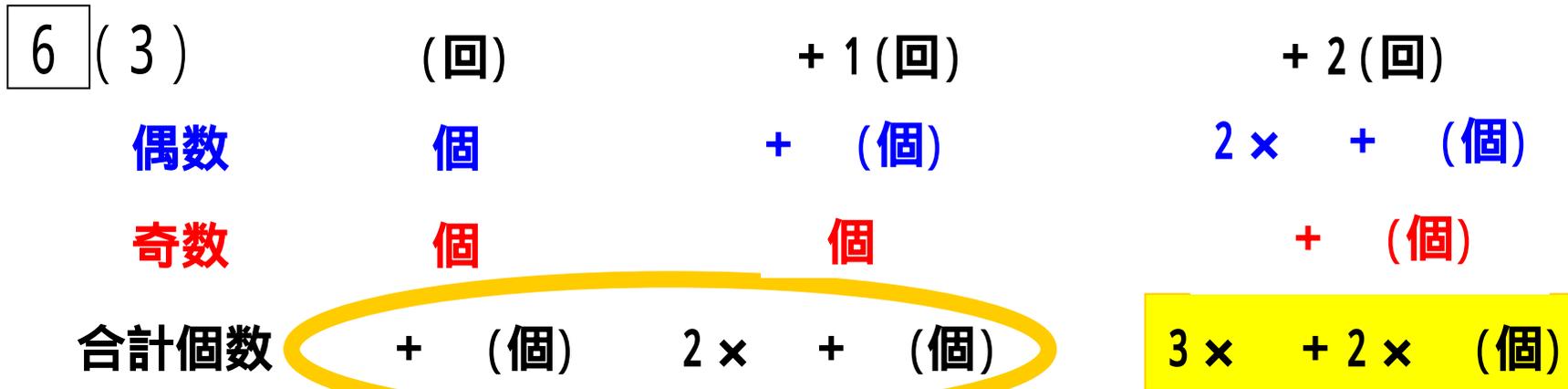


89個

12回で終了



144個



10回	11回	12回	13回	14回	15回	16回	17回
55個	89個	144個	233個	377個	610個	987個	1597個
	18回	19回	20回				
	2584個	4181個	6765個				