

教育

关键词：
正文

一、问题提出

" " " " " " " " " "

1.

2.
3.

4.

5.

二、指向深度学习的问题情境创设策略

" " " " " " " " " "



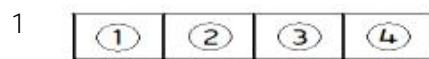
1200

100

3

1 2 3 4

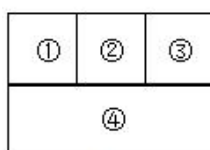
3 1
2 3 4



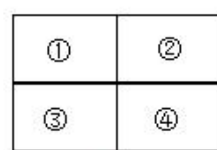
(图1)

4
5
6

2 3
3 3
4 3



(图2)



(图3)



(图4)

2. 纵向追问探究策略

2

4 3

7 4 3 2 1

8 4 1 4 3 1
 $4 \times 3 \times 2 \times 1 = 24$

5 3 " " " "

9 4 4 4

6 1 3 5 3

2 5 3

10 6 1 6 2 6 1 6 2

7 3 " " "

1 11 $3 \times 3 \times 2 \times 1 = 18$
 12 $4 \times 3 \times 2 \times 1 - 3 \times 2 \times 1 = 18$

8 7 " "

13

9 4 5 6 3

6

14 8 9 4 3 4

$\times 3 \times 2 + 2 \times 3 \times 2 \times 1 = 72$ 6

3 " " " " "

3. 多点联问概括策略

3 5

10

5

15 6

72 11

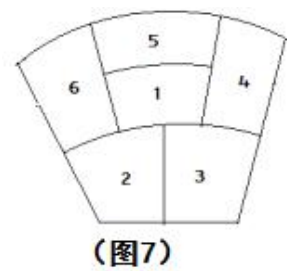
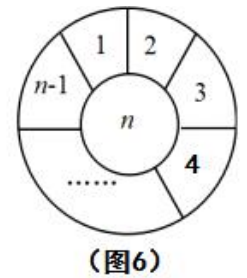
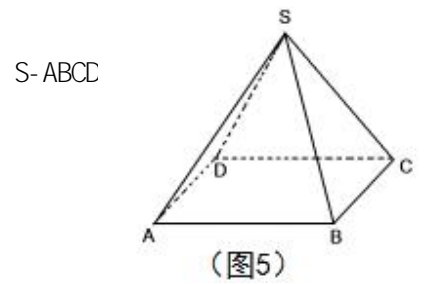
16

n

m+1 ... n-1, n m+1

n 1

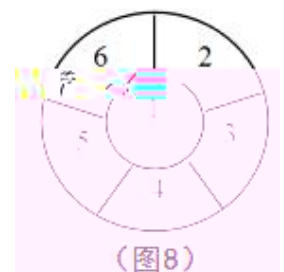
m n 1



12 2003 6 7

4

17 8 1 4 $N=4^* =120$



设计问题 设计的思考

3 4 5 6
4 5 6 7 8 9

设计问题 设计的思考

3 4 5 6 7 8 9 10 11 12 11 10 9 8 7 6 5 4 3 2 1 10 11 12 11 10 9 8 7 6 5 4 3 2 1

设计问题 设计的思考

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