

Date:

Sub:

تکلیف نمبر 4

دھم دخترانہ A

زحیر اصفانی

a, b, c, d, e, f

1

4!

$$(4-1)! = 3!$$

2

$$\frac{(4-1)!}{2} = \frac{3!}{2}$$

3

$$\binom{4}{2} \times 2! = \frac{4 \times 3 \times \cancel{2} \times \cancel{1}}{\cancel{2} \times \cancel{1}} = 12 \times 2 = 24$$

4

$$\binom{4}{1} \times 1! = 12 \times 1 = 12$$

5

$$\binom{4}{3} \times \frac{3!}{2} = 12 \times \frac{3 \times \cancel{2}}{\cancel{2}} = 12 \times 3 = 36$$

6

a, b, c, d, e, f

✓

$$\binom{6}{3} \times 3! = \frac{6 \times \cancel{5} \times \cancel{4}}{\cancel{3} \times \cancel{2}} = 6 \times 2 = 12$$

Date:

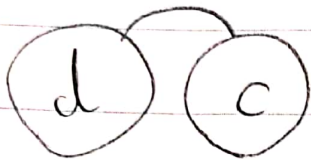
Sub:

$$\underbrace{a}_{1} \underbrace{b}_{2} (\underbrace{d}_{3} \underbrace{c}_{4}) \underbrace{e}_{5} \underbrace{f}_{6} \rightarrow \boxed{5!}$$

1

$$a \ b \ (d \ c) \ e \ f \rightarrow \boxed{5! \times 2! = 240}$$

2

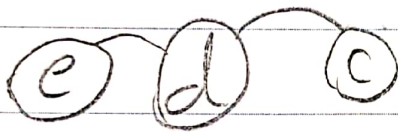


$$\frac{4!}{2!} = \frac{4 \times 3 \times 2 \times 1}{2 \times 1} = 120$$

3

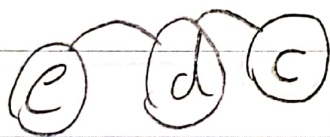
$$\underbrace{a}_{1} \underbrace{b}_{2} (\underbrace{e}_{3} \underbrace{d}_{4} \underbrace{c}_{5}) \underbrace{f}_{6} \rightarrow \boxed{5! \times 3! = 1440}$$

4



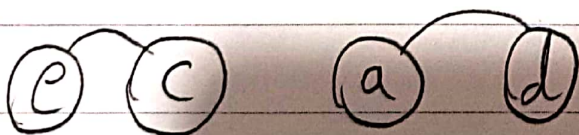
$$\frac{4!}{3!} = 40$$

5



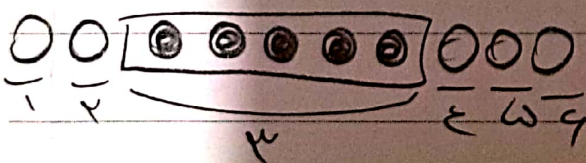
$$\frac{4!}{3!} = 40$$

6



$$\frac{4!}{2! \cdot 2!} = 120$$

7



دائری سب سے زیادہ کئی سب سے کم

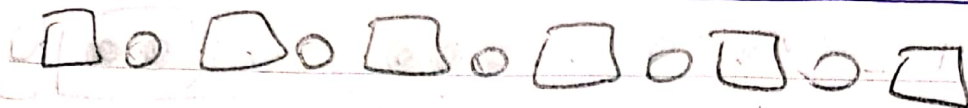
$$4! \times 5! = 14400$$

8



14

$$2! \times \omega! \times \omega! = 2 \times 1 \times 1 = 2$$



15

$$\binom{4}{\omega} = 4 \quad 4 \times \omega! \times \omega! = 14 \times 1 = 14$$

بعضی سببوں سے، جو بنائے گئے ہیں، جن سے پہلے 2 کی سببوں سے، جن سے پہلے

17

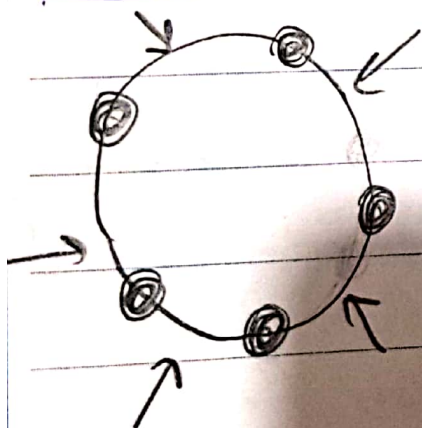
$$1 = 1! = 1 \quad 14 \times 1 \times 1 = 14 \quad 14 \times 1 \times 1 = 14$$

سوال قبل



19

$$\omega! \times \omega! \times 2 = 2 \times 1 \times 1 = 2$$



20

$$E! \times \omega! = 2 \times 1 \times 1 = 2$$