

5. Aşağıdaki işlemleri yapıp şarkıyı bularak sınıfta söyleyiniz.

Handwritten calculations for the 5th question:

- L:  $4^3 = 64$
- S:  $(0,3)^2 = \frac{9}{100} = 0,09$
- R:  $2^3 = 8$
- N:  $(0,2)^1 = \frac{2}{10} = \frac{1}{5} = 0,2$
- E:  $(\frac{4}{5})^1 = \frac{4}{5}$
- i:  $3^4 = 81$
- K:  $2^{-1} = \frac{1}{2}$
- A:  $7^{-2} = \frac{1}{49}$
- L:  $3^{-2} = \frac{1}{9}$
- R:  $\frac{3^2}{4^2} = \frac{9}{16}$
- Ö:  $1^{-1} = \frac{1}{1} = 1$
- Y:  $4^{-3} = \frac{1}{64}$
- İ:  $(-2)^{-2} = \frac{1}{(-2)^2} = \frac{1}{4}$
- Ş:  $10^{-2} = \frac{1}{100}$

|                 |                |   |               |               |    |                |   |
|-----------------|----------------|---|---------------|---------------|----|----------------|---|
| Ş               | A              | R | K             | İ             | L  | A              | R |
| $\frac{1}{100}$ | $\frac{1}{49}$ | 8 | $\frac{1}{2}$ | $\frac{1}{4}$ | 64 | $\frac{1}{49}$ | 8 |

|      |               |     |    |
|------|---------------|-----|----|
| S    | E             | N   | İ  |
| 0,09 | $\frac{4}{5}$ | 0,2 | 81 |

|      |   |                |               |               |                |
|------|---|----------------|---------------|---------------|----------------|
| S    | Ö | Y              | L             | E             | R              |
| 0,09 | 1 | $\frac{1}{64}$ | $\frac{1}{9}$ | $\frac{4}{5}$ | $\frac{9}{16}$ |

Pekiyei.com

6. Aşağıdaki örüntüleri tamamlayınız.

a.

$$2^4 = 16$$

$$2^3 = 8 \dots$$

$$2^2 = 4 \dots$$

$$2^1 = 2 \dots$$

$$2^0 = 1 \dots$$

$$2^{-1} = \frac{1}{2} \dots$$

$$2^{-2} = \frac{1}{4} \dots$$

$$2^{-3} = \frac{1}{8} \dots$$

$$2^{-4} = \frac{1}{16} \dots$$

b.

$$3^{-4} = \frac{1}{81}$$

$$3^{-3} = \frac{1}{27} \dots$$

$$3^{-2} = \frac{1}{9} \dots$$

$$3^{-1} = \frac{1}{3} \dots$$

$$3^0 = 1 \dots$$

$$3^1 = 3 \dots$$

$$3^2 = 9 \dots$$

$$3^3 = 27 \dots$$

$$3^4 = 81 \dots$$

c.

$$5^4 = 625$$

$$5^3 = 125 \dots$$

$$5^2 = 25 \dots$$

$$5^1 = 5 \dots$$

$$5^0 = 1 \dots$$

$$5^{-1} = \frac{1}{5} \dots$$

$$5^{-2} = \frac{1}{25} \dots$$

$$5^{-3} = \frac{1}{125} \dots$$

$$5^{-4} = \frac{1}{625} \dots$$