

### 3. UNITATEA

## Matematika

**SA**

Izen-abizenak: .....

Maila: ..... Eguna: .....

1 Adierazi berretura eran.

a)  $9 \times 9 \times 9 \times 9 \times 9 = \dots\dots\dots$

d)  $8 \times 8 \times 8 \times 8 = \dots\dots\dots$

b)  $10 \times 10 \times 10 = \dots\dots\dots$

e)  $6 \times 6 = \dots\dots\dots$

c)  $12 \times 12 \times 12 \times 12 = \dots\dots\dots$

f)  $5 \times 5 \times 5 \times 5 \times 5 = \dots\dots\dots$

2 Idatzi nola irakurtzen diren berretura hauek:

a)  $5^4 \rightarrow \dots\dots\dots$

b)  $7^3 \rightarrow \dots\dots\dots$

c)  $9^2 \rightarrow \dots\dots\dots$

d)  $10^5 \rightarrow \dots\dots\dots$

3 Idatzi berretura hauek:

a) Sei ber hiru.  $\rightarrow \dots\dots\dots$

c) Hamabost ber bost.  $\rightarrow \dots\dots\dots$

b) Bederatzi ber bi.  $\rightarrow \dots\dots\dots$

d) Lau ber sei.  $\rightarrow \dots\dots\dots$

4 Adierazi biderketa eran, eta kalkulatu.

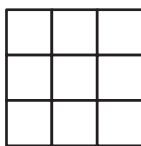
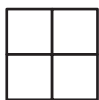
a)  $7^3 = \dots\dots\dots$

c)  $8^4 = \dots\dots\dots$

b)  $5^2 = \dots\dots\dots$

d)  $12^3 = \dots\dots\dots$

5 Marratu segida honetako hurrengo bi irudiak.



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6 Idatzi deskonposizio bakoitzak adierazten duen zenbakia.

a)  $4 \cdot 10^6 + 6 \cdot 10^5 + 3 \cdot 10^4 + 5 \cdot 10^3 + 4 \cdot 10^2 + 6 = \dots\dots\dots$

b)  $9 \cdot 10^5 + 8 \cdot 10^4 + 7 \cdot 10^3 + 3 \cdot 10^2 + 2 \cdot 10 + 1 = \dots\dots\dots$

c)  $6 \cdot 10^4 + 5 \cdot 10^3 + 2 \cdot 10^2 + 7 \cdot 10 = \dots\dots\dots$

d)  $8 \cdot 10^7 + 6 \cdot 10^6 + 3 \cdot 10^5 + 3 \cdot 10^3 + 5 \cdot 10^2 + 3 \cdot 10 + 8 = \dots\dots\dots$

7 Deskonposatu berrekizuna 10 duten berreturen bidez.

a)  $3\,456\,731 = \dots\dots\dots$

b)  $2\,004\,567 = \dots\dots\dots$

c)  $675\,239 = \dots\dots\dots$

d)  $8930\,002 = \dots\dots\dots$

8 Kalkulatu, kalkulagailuaren laguntzarekin, honako erro karratu hauek:

a)  $\sqrt{1\,225} = \dots\dots\dots$

c)  $\sqrt{2916} = \dots\dots\dots$

b)  $\sqrt{1\,369} = \dots\dots\dots$

d)  $\sqrt{3969} = \dots\dots\dots$

9 Biribildu karratu perfektuak diren zenbakiak.

a) 4 096

e) 5 184

b) 7 536

f) 4 624

c) 8 536

g) 7 225

d) 12 025

h) 8 096

10 Zenbateko aldea du  $1\,444\text{ cm}^2$ -ko azalera duen karratuak?

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1 Adierazi berretura eran.

a)  $15^3 \times 15^4 = 15 \times 15 \times 15 \times 15 \times 15 \times 15 \times 15 = \dots\dots\dots$

b)  $8^2 \times 8^6 = \dots\dots\dots$

c)  $12^4 \times 12 = \dots\dots\dots$

d)  $10^5 \times 10^2 = \dots\dots\dots$

e)  $7^3 \times 7^3 = \dots\dots\dots$

2 Idatzi berreturretan falta den gaia, berdintzak betetzeko.

a)  $11 \dots\dots = 14\,641$

b)  $4 \dots\dots = 1\,024$

c)  $16 \dots\dots = 4\,096$

d)  $25 \dots\dots = 390\,625$

3 Zein da berretura hauen berrekizuna?

a)  $\dots\dots^3 = 512$

b)  $\dots\dots^2 = 100$

c)  $\dots\dots^3 = 27$

d)  $\dots\dots^2 = 121$

4 Amaitu berbiduren segida hau:

$441 - 484 - \dots\dots - \dots\dots - \dots\dots - \dots\dots$

5 Jarraitu kuboaren segida honi:

$4\,096 - 4\,913 - \dots\dots - \dots\dots - \dots\dots - \dots\dots$

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## Matematika

**ZA**

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6 Idatzi berrekizuna 10 duten berreturen berretzailea:

- a)  $10^{\dots\dots\dots} = 1\ 000$
- b)  $10^{\dots\dots\dots} = 100$
- c)  $10^{\dots\dots\dots} = 10\ 000$
- d)  $10^{\dots\dots\dots} = 100\ 000$
- e)  $10^{\dots\dots\dots} = 1\ 000\ 000$

7 Adierazi berretura bakar baten bidez:

- a)  $10^2 \times 10^3 = \dots\dots\dots$
- b)  $10^4 \times 10 = \dots\dots\dots$
- c)  $10^3 \times 10^5 = \dots\dots\dots$
- d)  $10^6 \times 10^2 = \dots\dots\dots$

8 Zenbat da berretura hauen berrekizuna?

- a)  $\dots\dots\dots^4 = 10\ 000$
- b)  $\dots\dots\dots^8 = 100\ 000\ 000$
- c)  $\dots\dots\dots^7 = 10\ 000\ 000$
- d)  $\dots\dots\dots^3 = 1\ 000$

9 Ordenatu, handienetik txikienera, zenbaki hauek:

- a)  $\sqrt{2\ 704}$
  - b)  $\sqrt{1\ 369}$
  - c)  $\sqrt{4\ 225}$
  - d)  $\sqrt{5\ 184}$
- .....

10 Zenbateko perimetroa du  $2\ 704\ \text{m}^2$ -ko azalera duen lau aldeko zelaia?

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#### PENTSAMENDU LOGIKOA

Idatzi kasu bakoitzean falta den zenbakia.

The puzzle consists of six circular diagrams arranged in three rows and two columns. A thinking person is in the center. Each diagram has four quadrants with numbers:

- Diagram 1 (top-left): TL=20, TR=7, BL=6, BR=21
- Diagram 2 (top-right): TL=18, TR=6, BL=5, BR=19
- Diagram 3 (middle-left): TL=16, TR=9, BL=8, BR=18
- Diagram 4 (middle-right): TL=15, TR=4, BL=3, BR=20
- Diagram 5 (bottom-left): TL=15, TR=10, BL=5, BR=30
- Diagram 6 (bottom-right): TL=4, TR=3, BL=2, BR=9

Below each diagram, there are two more quadrants, one for each half of the circle, with numbers:

- Diagram 1: BL=23, BR=8
- Diagram 2: BL=21, BR=7
- Diagram 3: BL=11, BR=20
- Diagram 4: BL=30, BR=5
- Diagram 5: BL=40, BR=60
- Diagram 6: BL=25, BR=4

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#### ARRETA/PERTZEPZIOA

Bilatu hiru loreontzi berdin.

