***ΛΥΣΕΙΣ ΘΕΩΡΙΑ - ΑΣΚΗΣΕΙΣ ΚΕΦ 7-17***



***Να στρογγυλοποιήσεις τους παρακάτω αριθμούς.***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Εκατομμύρια | Χιλιάδα | Εκατ. χιλιάδα | δεκάδα χιλιάδα |
| 6.345.634 | 6.000.000 | 6.346.000 | 6.300.000 | 6.350.000 |
| 7.321.478 | 7.000.000 | 7.321.000 | 7.300.000 | 7.320.000 |
| 8.631.754 | 9.000.000 | 8.632.000 | 8.600.000 | 8.630.000 |
| 5.477.275 | 5.000.000 | 5.477.000 | 5.500.000 | 5.480.000 |
| 8.555.479 | 9.000.000 | 8.555.000 | 8.600.000 | 8.560.000 |
| 5.657.821 | 6.000.000 | 5.658.000 | 5.700.000 | 5.670.000 |



***Υπολόγισε το Μ.Κ.Δ. των παρακάτω αριθμών.***

Μ.Κ.Δ.(14,21,28)= Μ.Κ.Δ.(12,36,48)

Δ14=\_2, 7, 14\_\_\_\_\_\_\_\_ Δ12=\_2, 3, 4, 6, 12\_\_\_\_\_\_\_\_\_\_

Δ21=\_3,7, 21\_\_\_\_\_\_\_\_\_\_ Δ36=\_2, 3, 4, 6, 9, 12, 18, 36\_

Δ28=\_2, 4, 7, 14\_\_\_\_\_\_\_ Δ48=\_2,4, 6, 8, 12, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Κ.Δ= \_7\_\_\_\_\_ Κ.Δ= \_12\_\_\_\_\_





# Να κάνεις τις πράξεις με την σειρά

:

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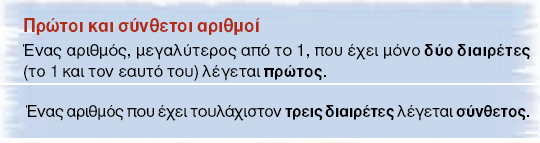
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Συμπλήρωσε τον παρακάτω πίνακα

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | τέλος(**0,2,4,6,8**)  Διαιρείται με το **2** | τέλος(**0**)  Διαιρείται με το **10** | τέλος(**0,5**)  Διαιρείται με το **5** | άθροισμα +=(**3,6,9**)  Διαιρείται με το  **3** | άθροισμα + =**9**  Διαιρείται με το **9** | \_ \_ ψηφία τέλος  διαιρείται με το  **4** | \_ \_ ψηφία τέλος  διαιρείται με το  **25** |
| 450 | × | × | × | × | × |  |  |
| 2700 | × | × | × | × | × | × | × |
| 715 |  |  | × |  |  |  |  |
| 3.892 | × |  |  |  |  |  |  |
| 321.441 |  |  |  | × |  |  |  |
| 34.115 |  |  | × |  |  |  |  |
| 8.220 | × | × | × | × |  | × |  |
| 32.416 | × |  |  |  |  | × |  |
| 4.875 |  |  | × | × |  | × | × |
| 8.100 | × | × | × | × | × |  |  |
| 67.512 | × |  |  |  |  |  |  |



## Να γράψεις 5 πρώτους αριθμούς και 5 σύνθετους

Πρώτοι: 3, 5,7, 11, 13……………………………………………………………

Σύνθετοι: 4, 6, 8, 9, 10……………………………………………………………

Συνέχισε το «δεντροδιάγραμμα» και γράψε μετά για κάθε αριθμό την ανάλυση του σε γινόμενο πρώτων παραγόντων:

|  |  |  |
| --- | --- | --- |
| 120  3  3  3  3  3  9  27  3  3  2  2  2  2  2  2  2  2  2  2  4  2  2  2  8  2  16  2  2  32  3  5  2  2  2  2  2  2  2  2  155  2  2  2  60  30 | 64 | 81 |

120=…2•2•2•3•5……64=…2•2•2•2•2•2=26…………………81=…3•3•3•3=34…….

Ανέλυσε τους παρακάτω σύνθετους αριθμούς σε γινόμενο πρώτων παραγόντων με τη μέθοδο των διαδοχικών διαιρέσεων.

56 2 128 2 243 3 625 5

28 2 64 2 81 3 125 5

14 2 32 2 27 3 25 5

7 7 16 2 9 3 5 5

1 8 2 3 3 1

4 2 1

2 2

1

56=2•2•2•7 128=2•2•2•2•2•2•2=27 243=3•3•3•3•3=35 625=5•5•5•5=54



***Υπολόγισε το Ε.Κ.Π. των παρακάτω αριθμών.***

Ε.Κ.Π.( 4,3,8)= Ε.Κ.Π. (7,3,6)=

Π3=3,6,9,12,15,18,21,24,27,30… Π7=7,14,21,28,35,42,49,56,63,70… \_\_\_\_\_\_

Π4=4,8,12,16,20,24,28,32\_\_\_\_\_ Π3=3,6,9,12,15,18,21,24,27,30,33,36,39,42…

Π8=8,16,24,32\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Π6=6,12,18,24,30,36,42…\_\_\_\_\_\_\_\_\_

Κ.Π \_24\_\_\_\_\_\_\_\_ Κ.Π\_42\_\_\_\_\_\_\_\_\_\_\_

***Να βρεις το Ε.Κ.Π. των παρακάτω αριθμών.***

18 90 2 24 28 2 17 5 170 2

9 45 3 12 14 2 17 5 85 5

3 15 3 6 7 2 17 1 17 17

1 5 5 3 7 3 1 1

1 1 7 7

1

Ε.Κ.Π.( 18,90)= 90 Ε.Κ.Π. (24, 28)=168 Ε.Κ.Π. (17, 5, 170)=170





***Υπολόγισε τις παρακάτω δυνάμεις.***

5 2 =5•5=25\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2 5=2•2•2•2•2=32\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3 4 =3•3•3•3=81\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4 3 =4•4•4=64\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6 3 =6•6•6=216\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3 6 =3•3•3•3•3•3=729\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_