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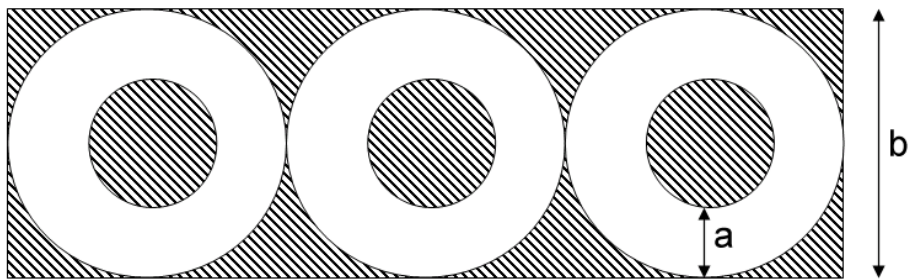
Überraschungsaufgabe 2 / Surprise Task 2

Calculate the area of the shaded area.

Berechne den Inhalt der schraffierten Fläche.

Calculez la superficie de la zone hachuré !

Calcule el área sombreada.



$$\pi = 3.1415926535897932384626433832795028841971693993751\dots$$

Area () =

Name / Nom:

richtige Stellen:

ÜBERRASCHUNGSAUFGABE 4 / SURPRISE TASK 4

$$16_29 \times 47113 = 764596877$$

Fill in the missing digits.

Setze die fehlenden Ziffern ein.

Remplissez les chiffres manquants !

Rellene los dígitos que faltan.

Name / Nom:

richtige:

falsche:

Punkte:

64_26 × 15840 =1022091840
25_93 × 53172 =1334244996
36_54 × 43819 =1601759726
77_09 × 99623 =7711716807
14_11 × 33019 = 482440609
64_51 × 16092 =1037145492
75_51 × 24541 =1846734791
94_40 × 88627 =8378796580
37_14 × 33698 =1270886372
76_32 × 19390 =1483955480
49_90 × 20023 = 984931370
41_43 × 84085 =3518368655
57_89 × 99209 =5663742601
63_61 × 82235 =5235162335
28_59 × 73166 =2096864394
79_90 × 31414 =2490816060

30_89 × 34844 =1072811916
79_32 × 77838 =6190611816
61_47 × 59523 =3681318981
87_37 × 39830 =3486598710
84_63 × 51488 =4343682144
97_79 × 37367 =3657444593
23_93 × 79629 =1838872497
10_30 × 63193 = 633825790
96_17 × 13125 =1272035625
59_09 × 57322 =3422639298
10_03 × 19602 = 203919606
84_55 × 18021 =1516557255
14_13 × 11503 = 170393939
63_31 × 78955 =4976612605
31_27 × 56940 =1800841380
70_84 × 49199 =3448062716

77_30 × 77177 =5998968210
81_77 × 70039 =5741587103
40_69 × 54080 =2183155520
19_39 × 60127 =1186846853
31_77 × 37351 =1183167627
15_21 × 78408 =1193448168
67_26 × 33187 =2227710562
19_87 × 72480 =1419665760
99_06 × 43101 =4293118206
13_07 × 98565 =1321460955
41_18 × 14102 = 578435836
38_56 × 18105 = 692624880
76_18 × 59143 =4507761174
67_13 × 75140 =5095468820
89_58 × 39843 =3584196594
42_43 × 18109 = 768600287
46_79 × 51805 =2387122595

24_93 × 29477 = 736718661
59_04 × 66595 =3969328380
27_84 × 66661 =1805446524
36_32 × 23379 = 856419528
44_05 × 48172 =2148712060
73_60 × 47584 =3519312640
78_75 × 39561 =3096637275
80_18 × 53504 =4291983872
10_66 × 74807 = 760487962
22_69 × 22764 = 522866316
69_13 × 70108 =4901460604
21_01 × 80752 =1752399152
24_43 × 98705 =2461998815
24_42 × 48716 =1215074472
57_31 × 97307 =5598169017
50_01 × 80077 =4067991677
97_31 × 96981 =9478050111

$$x^3 - 5x^2 = 2016$$

$x =$

$$\frac{102^2 \times 85^3}{289^2} =$$

$$\frac{4802^2}{49^3} =$$

$$\frac{45^2 \times 95^2}{15^3} =$$

$$\frac{216^5}{27^5} =$$

$$\frac{867 \times 98^2}{119^2} =$$

$$\left(\frac{91 \times 391}{299} \right)^2 =$$

$$\frac{1875^2}{25^3} =$$

$$\frac{524 \times \left(\frac{1}{6} \times 51 \right)^2}{2227} =$$

$$\frac{87^3 \times 62^2}{899^2} =$$

$$\frac{\left(\frac{1}{3} \times 62 \right) \times 186^3}{31^4} =$$

$$\frac{231 \times 209^2}{1331} =$$

$$\frac{102^4}{153^2} =$$

$$\frac{909^2 \times 2^6}{12^3} =$$

$$\frac{230^4}{1058^2} =$$

$$\frac{(38 \times 81)^2}{3^6} =$$

$$\frac{51^3 \times 34^2}{289^2} =$$

$$\frac{6006^3}{77^2 \times 13^2} =$$