

תרגילי חיבור וחיסור

1.	$55 + 43 =$	11.	$211 + 85 =$
2.	$11 + 98 =$	12.	$132 + 179 =$
3.	$17 + 19 =$	13.	$281 + 57 =$
4.	$33 + 48 =$	14.	$66 + 88 =$
5.	$3 + 68 =$	15.	$1000 - 550 =$
6.	$25 + 14 =$	16.	$400 - 120 =$
7.	$203 - 107 =$	17.	$29 - 13 =$
8.	$153 - 76 =$	18.	$94 - 46 =$
9.	$500 - 394 =$	19.	$210 - 80 =$
10.	$408 - 295 =$	20.	$10000 - 100 =$

חיבור וחיסור – תשובות

1.	$55 + 43 = 98$	11.	$211 + 85 = 296$
2.	$11 + 98 = 109$	12.	$132 + 179 = 311$
3.	$17 + 19 = 36$	13.	$281 + 57 = 338$
4.	$33 + 48 = 81$	14.	$66 + 88 = 154$
5.	$3 + 68 = 71$	15.	$1000 - 550 = 450$
6.	$25 + 14 = 39$	16.	$400 - 120 = 280$
7.	$203 - 107 = 96$	17.	$29 - 13 = 16$
8.	$153 - 76 = 77$	18.	$94 - 46 = 48$
9.	$500 - 394 = 106$	19.	$210 - 80 = 130$
10.	$408 - 295 = 113$	20.	$10000 - 100 = 9900$

תרגול שליליים

1.	$10 + (-5) =$	11.	$-9 + (-4) + (-1) - (+7) =$
2.	$(-11) + (-14) =$	12.	$+(+4) - (+9) - (-6) - 1 =$
3.	$5 - (-10) =$	13.	$1 + 2 - (-3) + (-4) =$
4.	$(-3) + 6 =$	14.	$-5 + (-6) + (-7) - (+8) =$
5.	$-7 - 2 + 5 - 2 =$	15.	$-(-10) - 12 + 15 - (-8) =$
6.	$-11 - 20 =$	16.	$(-20) - (-6) + (-15) =$
7.	$6 - 10 - 6 - 10 =$	17.	$4 - (-8) + (-6) - 2 =$
8.	$-4 + 2 + 3 - 6 =$	18.	$25 - 9 - (-8) + (-28) =$
9.	$-1 - 7 - 1 + 9 =$	19.	$8 + (-9) - (-10) + (-9) =$
10.	$-47 + 25 =$	20.	$(-12) + 35 + (-27) + (-5) =$

תרגול שליליים - תשובות

1.	$10 + (-5) = 5$	11.	$-9 + (-4) + (-1) - (+7) = -21$
2.	$(-11) + (-14) = -25$	12.	$+(+4) - (+9) - (-6) - 1 = 0$
3.	$5 - (-10) = 15$	13.	$1 + 2 - (-3) + (-4) = 2$
4.	$(-3) + 6 = 3$	14.	$-5 + (-6) + (-7) - (+8) = -26$
5.	$-7 - 2 + 5 - 2 = -6$	15.	$-(-10) - 12 + 15 - (-8) = 21$
6.	$-11 - 20 = -31$	16.	$(-20) - (-6) + (-15) = -29$
7.	$6 - 10 - 6 - 10 = -20$	17.	$4 - (-8) + (-6) - 2 = 4$
8.	$-4 + 2 + 3 - 6 = -5$	18.	$25 - 9 - (-8) + (-28) = -4$
9.	$-1 - 7 - 1 + 9 = 0$	19.	$8 + (-9) - (-10) + (-9) = 0$
10.	$-47 + 25 = -22$	20.	$(-12) + 35 + (-27) + (-5) = -9$

פעולות עם סוגריים

1.	$10 - (3 + 6) - 12 =$	11.	$8 + (10 - (12 - (14 - 13) + 9) - 7) - 5 =$
2.	$-2 - (8 - 5 + 9) =$	12.	$-22 - [2 - (5 - (7 - 10) + 12) - 4] + 10 =$
3.	$-(21 - 3 + 5) - 3 =$	13.	$-(-5 + 7 - 9) - (10 + 11) =$
4.	$8 - (4 - 7 + 2) =$	14.	$9 - (3 - 8) - (8 - 3) =$
5.	$29 - [3 - (15 + 12)] =$	15.	$-(9 + 12 - 5 + 18) - (-30 + 15) =$
6.	$-[12 - (-4 + 2) - 6] + 2 =$	16.	$-30 + [-14 + 5 - 7 - (3 - 2 - 4) + 13] =$
7.	$-9 - (15 - 4 - (16 - 18) + 4) =$	17.	$24 - [7 - (6 + 5 - (1 - 2) - 4)] =$
8.	$-(-5 + 8 - 3) - (4 - 11) =$	18.	$17 - [4 - (4 - 6 - (4 + 12) - 5)] =$
9.	$4 + (3 - 5 + 7 - (9 - 12) - 4) =$	19.	$15 + [1 - (7 + 2 - (4 - 2) + 9)] =$
10.	$-(-1 - 2 + 6) - [4 - 9 + (14 - 20 + 8) - 8] =$	20.	$2 + (3 - (4 - (5 - 6) + 7) - 8) + 9 =$

פעולות עם סוגריים - תשובות

1.	$10 - (3 + 6) - 12 = -11$
2.	$-2 - (8 - 5 + 9) = -14$
3.	$-(21 - 3 + 5) - 3 = -26$
4.	$8 - (4 - 7 + 2) = 9$
5.	$29 - [3 - (15 + 12)] = 53$
6.	$-[12 - (-4 + 2) - 6] + 2 = -6$
7.	$-9 - (15 - 4 - (16 - 18) + 4) = -26$
8.	$-(-5 + 8 - 3) - (4 - 11) = 7$
9.	$4 + (3 - 5 + 7 - (9 - 12) - 4) = 8$
10.	$-(-1 - 2 + 6) - [4 - 9 + (14 - 20 + 8) - 8] = 8$

פעולות עם סוגריים – תשובות (המשך)

11.	$8 + (10 - (12 - (14 - 13) + 9) - 7) - 5 = -14$
12.	$-22 - [2 - (5 - (7 - 10) + 12) - 4] + 10 = 10$
13.	$-(-5 + 7 - 9) - (10 + 11) = -14$
14.	$9 - (3 - 8) - (8 - 3) = 9$
15.	$-(9 + 12 - 5 + 18) - (-30 + 15) = -19$
16.	$-30 + [-14 + 5 - 7 - (3 - 2 - 4) + 13] = -30$
17.	$24 - [7 - (6 + 5 - (1 - 2) - 4)] = 25$
18.	$17 - [4 - (4 - 6 - (4 + 12) - 5)] = -10$
19.	$15 + [1 - (7 + 2 - (4 - 2) + 9)] = 0$
20.	$2 + (3 - (4 - (5 - 6) + 7) - 8) + 9 = -6$

תרגול הוצאת מינוס לפני סוגריים

1.	$-10x - 7y - 4z =$	6.	$-6ab - 24bc + 30db =$
2.	$2y^2 - z - x =$	7.	$11x + 14y - 9z =$
3.	$5a + 3b - 8c =$	8.	$-21k - 18n + 2p =$
4.	$3x - 9x^2 - 27y =$	9.	$x^2 - 2y^2 + 7xy =$
5.	$5x - 15xy + yz =$	10.	$-5a^2 + 20b - 4c^3 =$

תרגול הוצאת מינוס לפני הסוגריים - תשובות

1.	$-10x - 7y - 4z = -(10x + 7y + 4z)$	6.	$-6ab - 24bc + 30db = -6b(a + 4c - 5d)$
2.	$2y^2 - z - x = -(-2y^2 + z + x)$	7.	$11x + 14y - 9z = -(-11x - 14y + 9z)$
3.	$5a + 3b - 8c = -(-5a - 3b + 8c)$	8.	$-21k - 18n + 2p = -(21k + 18n - 2p)$
4.	$3x - 9x^2 - 27y = -3(-x + 3x^2 + 9y)$	9.	$x^2 - 2y^2 + 7xy = -(-x^2 + 2y^2 - 7xy)$
5.	$5x - 15xy + yz = -(-5x + 15xy - yz)$	10.	$-5a^2 + 20b - 4c^3 = -(5a^2 - 20b + 4c^3)$

תרגול כפל

1. $64 \times 4 =$
2. $55 \times 11 =$
3. $7 \times 9 =$
4. $25 \times 23 =$
5. $6 \times 7 =$
6. $17 \times 13 =$
7. $63 \times 5 =$
8. $71 \times 8 =$
9. $81 \times 10 =$
10. $134 \times 7 =$
11. $47 \times 6 =$
12. $77 \times 4 =$
13. $128 \times 6 =$
14. $69 \times 9 =$
15. $57 \times 7 =$
16. $16 \times 35 =$
17. $80 \times 40 =$
18. $43 \times 4 =$
19. $78 \times 11 =$
20. $13 \times 58 =$

תשובות - תרגול כפל

1. $64 \times 4 = 256$
2. $55 \times 11 = 605$
3. $7 \times 9 = 63$
4. $25 \times 23 = 575$
5. $6 \times 7 = 42$
6. $17 \times 13 = 221$
7. $63 \times 5 = 315$
8. $71 \times 8 = 568$
9. $81 \times 10 = 810$
10. $134 \times 7 = 938$
11. $47 \times 6 = 282$
12. $77 \times 4 = 308$
13. $128 \times 6 = 768$
14. $69 \times 9 = 621$
15. $57 \times 7 = 399$
16. $16 \times 35 = 560$
17. $80 \times 40 = 3200$
18. $43 \times 4 = 172$
19. $78 \times 11 = 858$
20. $13 \times 58 = 754$

מלא את הטבלה הבאה ע"פ לוח הכפל:

X	2	3	4	5	6	7	8	9
2								
3								
4								
5								
6								
7								
8								
9								

לוח הכפל:

X	2	3	4	5	6	7	8	9
2	4	6	8	10	12	14	16	18
3	6	9	12	15	18	21	24	27
4	8	12	16	20	24	28	32	36
5	10	15	20	25	30	35	40	45
6	12	18	24	30	36	42	48	54
7	14	21	28	35	42	49	56	63
8	16	24	32	40	48	56	64	72
9	18	27	36	45	54	63	72	81

תרגילי חילוק

1. $\overline{121}11 = ?$
2. $\overline{455}5 = ?$
3. $\overline{636}106 = ?$
4. $\overline{328}4 = ?$
5. $\overline{860}43 = ?$
6. $\overline{196}14 = ?$
7. $\overline{612}18 = ?$
8. $\overline{856}2 = ?$
9. $\overline{966}3 = ?$
10. $\overline{728}91 = ?$
11. $\overline{256}16 = ?$
12. $\overline{105}7 = ?$
13. $\overline{135}15 = ?$
14. $\overline{327}3 = ?$
15. $\overline{200}25 = ?$
16. $\overline{216}27 = ?$
17. $\overline{288}36 = ?$
18. $\overline{360}24 = ?$
19. $\overline{495}33 = ?$
20. $\overline{168}8 = ?$

תשובות תרגילי חילוק

1. $\overline{121}11 = 11$

11. $\overline{256}16 = 16$

2. $\overline{455}5 = 91$

12. $\overline{105}7 = 15$

3. $\overline{636}106 = 6$

13. $\overline{135}15 = 9$

4. $\overline{328}4 = 82$

14. $\overline{327}3 = 109$

5. $\overline{860}43 = 20$

15. $\overline{200}25 = 8$

6. $\overline{196}14 = 14$

16. $\overline{216}27 = 8$

7. $\overline{612}18 = 34$

17. $\overline{288}36 = 8$

8. $\overline{856}2 = 428$

18. $\overline{360}24 = 15$

9. $\overline{966}3 = 322$

19. $\overline{495}33 = 15$

10. $\overline{728}91 = 8$

20. $\overline{168}8 = 21$

תרגול כפל וחילוק מעורב

1. $\frac{25 \times 4}{2} \times \frac{3}{5} =$
2. $\frac{20}{5} \times \frac{6}{2} \times 4 =$
3. $\frac{9 \times 8}{2} \times \frac{7}{3} =$
4. $\frac{12 \times 3}{\frac{6}{2}} =$
5. $\frac{7 \times 8}{4} \times \frac{3}{2} =$
6. $\frac{64}{16} \times \frac{10}{2} \times 5 =$
7. $\frac{144}{6 \times 2} \times \frac{15}{5} =$
8. $49 \div 7 \times 6 \div 3 \times 5 =$
9. $9 \times 9 \times 2 \div 3 \div 6 =$
10. $\frac{3 \times 6 \times 5 \times 11}{33} =$
11. $121 \div 11 \times 8 \div 4 \times 3 \div 33 =$
12. $15 \times 15 \div 5 \div 9 \times 8 =$
13. $32 \times 5 \div 4 \times 6 \div 30 =$
14. $169 \div 13 \times 6 \div 3 =$
15. $\frac{\left(\frac{6 \times 28}{7 \times 12}\right)}{\left(\frac{1}{3 \times 8}\right)} =$
16. $\frac{\left(\frac{54 \times 3}{9}\right)}{\left(\frac{6}{2}\right)} =$
17. $\frac{\left(\frac{44 \times 4}{8}\right)}{\left(\frac{11}{4 \times 4}\right)} =$
18. $\frac{\left(\frac{65 \times 2}{50}\right)}{\left(\frac{5 \times 26}{15 \times 10}\right)} =$
19. $\frac{\left(\frac{14 \times 19}{7 \times 38}\right)}{\left(\frac{133 \times 2}{266 \times 2}\right)} =$
20. $4 \times 7 \div 2 \times 5 \div 10 =$

תרגול כפל וחילוק מעורב

1. $\frac{25 \times 4}{2} \times \frac{3}{5} = \frac{100}{2} \times \frac{3}{5} = \frac{50}{1} \times \frac{3}{5} = \frac{10}{1} \times \frac{3}{1} = 30$
2. $\frac{20}{5} \times \frac{6}{2} \times 4 = 4 \times 3 \times 4 = 48$
3. $\frac{9 \times 8}{2} \times \frac{7}{3} = \frac{72}{2} \times \frac{7}{3} = \frac{24}{2} \times \frac{7}{1} = 12 \times 7 = 84$
4. $\frac{12 \times 3}{\frac{6}{2}} = \frac{36}{3} = 12$
5. $\frac{7 \times 8}{4} \times \frac{3}{2} = \frac{56}{4} \times \frac{3}{2} = \frac{28}{4} \times \frac{3}{1} = 7 \times 3 = 21$
6. $\frac{64}{16} \times \frac{10}{2} \times 5 = 4 \times 5 \times 5 = 100$
7. $\frac{144}{6 \times 2} \times \frac{15}{5} = \frac{144}{12} \times \frac{15}{5} = 12 \times 3 = 36$
8. $49 \div 7 \times 6 \div 3 \times 5 = 70$
9. $9 \times 9 \times 2 \div 3 \div 6 = 9$
10. $\frac{3 \times 6 \times 5 \times 11}{33} = \frac{6 \times 5 \times 11}{11} = 6 \times 5 = 30$
11. $121 \div 11 \times 8 \div 4 \times 3 \div 33 = 2$
12. $15 \times 15 \div 5 \div 9 \times 8 = 40$
13. $32 \times 5 \div 4 \times 6 \div 30 = 8$
14. $169 \div 13 \times 6 \div 3 = 26$
15. $\frac{6 \times 28}{\frac{7 \times 12}{\frac{1}{3 \times 8}}} = \frac{6 \times 28}{7 \times 12} \times \frac{3 \times 8}{1} = \frac{4}{2} \times \frac{24}{1} = 2 \times 24 = 48$
16. $\frac{54 \times 3}{\frac{9}{\frac{6}{2}}} = \frac{54 \times 3}{9} \times \frac{2}{6} = \frac{6 \times 3}{1} \times \frac{1}{3} = 6$
17. $\frac{44 \times 4}{\frac{8}{11}} = \frac{44 \times 4}{8} \times \frac{4 \times 4}{11} = \frac{4 \times 4 \times 4 \times 4}{8} = 32$
18. $\frac{65 \times 2}{\frac{50}{5 \times 26}} = \frac{65 \times 2}{50} \times \frac{15 \times 10}{5 \times 26} = \frac{65}{25} \times \frac{3 \times 10}{26} = \frac{13}{5} \times \frac{30}{26} = 3$
19. $\frac{\left(\frac{14 \times 19}{7 \times 38}\right)}{\left(\frac{133 \times 2}{266 \times 2}\right)} = \frac{\left(\frac{1}{1}\right)}{\left(\frac{1}{2}\right)} = 2$
20. $4 \times 7 \div 2 \times 5 \div 10 = 7$

תרגול סדר פעולות חשבון

1.	$(-9) \times 5 + 10 - 15 \div 3 =$	11.	$(32 - 17) \times 4 \times 9 \div 3 - 50 \div 5 =$
2.	$20 \div 4 + 8 \times 2 - 7 =$	12.	$9 \times 17 - 152 - \frac{6}{14} =$
3.	$92 - 11 \times 2 - 24 \div 4 =$	13.	$\frac{600 \div (-5) - [-2(87 - 53)]}{4} =$
4.	$-25 - 42 \div 6 + 18 \times 2 \div 4 =$	14.	$[(15 \times 8 + 15) \div 27 + 45] \times 8 \div 20 =$
5.	$23 - 12 \times (-5) + 49 \div 7 =$	15.	$\frac{(214 - 81 + 36) \div 13 \times 4 + 10}{5 \times (4 + 3) \times 3 - 74} =$
6.	$\frac{3 \times 12 - 18}{6 \times 8 + 6} =$	16.	$\frac{(41 \times 4 + 67) \div (-3)}{(64 + 57) \div 11} =$
7.	$\frac{(31 \times 4 + 8) \div (-3)}{(5 + 6) \times 3} =$	17.	$\frac{38 + 71 \times 6 \div 3}{\frac{90 \div 5 + 12}{3 \times 6 + 18}} =$ $\frac{\quad}{20 \times 10 + 10}$
8.	$\frac{44 + 26}{31 + 11} \times \frac{23 + 31}{23 + 37} =$	18.	$(9 + 14 \times 6 \div 4) \times 3 \div (-5) + 7 =$
9.	$\frac{(8 \times 8) - (7 \times 9)}{\frac{5 \times (8 + 13)}{1}} =$ $\frac{\quad}{3 \times 4 - 5}$	19.	$(20 + 35) \times 2 [-46(5 \times 4 - 20)] =$
10.	$\frac{8 \times 9 + 4 \times 8}{-(8 + 4 \times 11)} =$	20.	$(192 \div 48 + 15) \times 3 - 45 \div 3 - 7 \times 5 =$

תרגול סדר פעולות חשבון - תשובות

1.	$(-9) \times 5 + 10 - 15 \div 3 = -40$
2.	$20 \div 4 + 8 \times 2 - 7 = 14$
3.	$92 - 11 \times 2 - 24 \div 4 = 64$
4.	$-25 - 42 \div 6 + 18 \times 2 \div 4 = -23$
5.	$23 - 12 \times (-5) + 49 \div 7 = 90$
6.	$\frac{3 \times 12 - 18}{6 \times 8 + 6} = \frac{36 - 18}{48 + 6} = \frac{18}{54} = \frac{1}{3}$
7.	$\frac{(31 \times 4 + 8) \div (-3)}{(5 + 6) \times 3} = \frac{(124 + 8) \div (-3)}{33} = \frac{-44}{33} = -\frac{4}{3} = -1\frac{1}{3}$
8.	$\frac{44 + 26}{31 + 11} \times \frac{23 + 31}{23 + 37} = \frac{70}{42} \times \frac{54}{60} = \frac{7}{42} \times \frac{54}{6} = \frac{1}{6} \times \frac{9}{1} = \frac{9}{6} = 1\frac{3}{6} = 1\frac{1}{2}$
9.	$\frac{(8 \times 8) - (7 \times 9)}{\frac{5 \times (8 + 13)}{\frac{1}{3 \times 4 - 5}}} = \frac{64 - 63}{5 \times 21 \times (12 - 5)} = \frac{1}{5 \times 21 \times 7} = \frac{1}{105 \times 7} = \frac{1}{735}$
10.	$\frac{8 \times 9 + 4 \times 8}{-(8 + 4 \times 11)} = \frac{72 + 32}{-(8 + 44)} = \frac{104}{-52} = -2$

תרגול סדר פעולות חשבון – תשובות (המשך)

11.	$(32 - 17) \times 4 \times 9 \div 3 - 50 \div 5 = 170$
12.	$9 \times 17 - 152 - \frac{6}{14} = \frac{8}{14} = \frac{4}{7}$
13.	$\frac{600 \div (-5) - [-2(87 - 53)]}{4} = \frac{-120 - (-2 \times 34)}{4} = \frac{-120 - (-68)}{4} = \frac{-120 + 68}{4} = \frac{-52}{4} = -13$
14.	$[(15 \times 8 + 15) \div 27 + 45] \times 8 \div 20 = (135 \div 27 + 45) \times 8 \div 20 = 50 \times 8 \div 20 = 20$
15.	$\frac{(214 - 81 + 36) \div 13 \times 4 + 10}{5 \times (4 + 3) \times 3 - 74} = \frac{169 \div 13 \times 4 + 10}{5 \times 7 \times 3 - 74} = \frac{62}{31} = 2$
16.	$\frac{(41 \times 4 + 67) \div (-3)}{(64 + 57) \div 11} = \frac{(164 + 67) \div (-3)}{121 \div 11} = \frac{-77}{11} = -7$
17.	$\frac{38 + 71 \times 6 \div 3}{90 \div 5 + 12} = \frac{38 + 142}{18 + 12} = \frac{180}{30} = \frac{180}{30 \times 210} = \frac{180}{5 \times 210} = \frac{180 \times 6}{5 \times 210} = \frac{18 \times 2}{5 \times 7} = \frac{36}{35}$ $\frac{3 \times 6 + 18}{20 \times 10 + 10} = \frac{18 + 18}{210} = \frac{36}{210}$
18.	$(9 + 14 \times 6 \div 4) \times 3 \div (-5) + 7 = 30 \times 3 \div (-5) + 7 = -18 + 7 = -11$
19.	$(20 + 35) \times 2[-46(5 \times 4 - 20)] = 55 \times 2[-46(0)] = 0$
20.	$(192 \div 48 + 15) \times 3 - 45 \div 3 - 7 \times 5 = 19 \times 3 - 45 \div 3 - 7 \times 5 = 57 - 15 - 35 = 7$