1. Übung 15. September 69

"bim" Zahlen (1x3)

3 6 9 12 15 18 21 24 27 30 33 36 39 42
45 48 51 54 57 60 63 66 69 72 75 78 81 84
87 90 93 96 99

"bam" Zahlen: (1x3)

3 13 23 30 31 32 33 34 35 36 37 38 39 43
53 63 73 83 93

1. Hausaufgabe 15. September

"bim" Zahlen: (1x5)

5 10 15 20 25 30 35 40 45 50 55 60 65 70
75 80 85 90 95 100

"bam" Zahlen: (1x5)

5 15 25 35 45 50 51 52 53 54 55 56 57 58
59 65 75 85 95

"bim" Zahlen (1x4)

4 8 12 16 20 24 28 32 36 40 44 48 52
56 60 64 68 72 76 80 84 88 92 96 100

## "Bam" Zahlen (1×4)

4 14 24 34 40 41 42 43 44 45 46 47 48 49
54 64 74 84 94

gel. k.

## 2. Übung

6. Kor.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 48 | 765 | | 537 | 815 | 2 | 853 | 009 |
| | 209 | 317 | | 806 | 430 | | 407 | 820 |
| | 86 | 736 | | 93 | 288 | 6 | 081 | 362 |
| | 416 | 847 | | 750 | 094 | 15 | 999 | 400 |
| +2 | 603 | 902 | +2 | 861 | 027 | +3 | 768 | 794 |
| | 822 | 569 | | 273 | 634 | 26 | 109 | 785 |

/ 2

| | | | |
|---|---|---|---|
| | 560 | 386 | 000 |
| 1 | 514 | 500 | 000 |
| | 364 | 347 | 000 |
| | 216 | 965 | 000 |
| +1 | 152 | 282 | 000 |
| 2 | 671 | 486 | 000 |

2 736

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 2 | 736 | 845 | | 365 | 087 |
| | | 578 | 223 | 25 | 609 | 435 |
| | 36 | 203 | 688 | | 43 | 914 |
| +1 | 1 | 102 | 3225 | +21 | 501 | 1226 |
| | 39 | 619 | 081 | 28 | 588 | 562 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 71 | 847 | 902 | | 84 | 008 |
| 3 | 004 | 286 | 5 | 760 | 653 |
| | 720 | 503 | 17 | 241 | 800 |
| +1 | 182 | 877 | +12 | 999 | 455 |
| 75 | 655 | 508 | 24 | 095 | 916 |

| | | | |
|---|---|---|---|
| 8 | 016 | 509 |
| | 78 | 602 |
| | 635 | 078 |
| +40 | 327 | 623 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2 | 736 | 845 | | 578 | 223 |
| | 365 | 087 | 25 | 609 | 435 |
| 71 | 847 | 902 | | 3 | 004 | 286 |
| | 94 | 008 | | 5 | 760 | 653 |
| +28 | 023 | 629 | +72 | 73 | 826 | 092 |
| 83 | 060 | 441 | 35 | 031 | 199 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 36 | 203 | 688 | | 100 | 325 |
| | 43 | 914 | 2 | 570 | 126 |
| | 720 | 503 | | 82 | 817 |
| 17 | 241 | 800 | | 999 | 455 |
| +17 | 615 | 078 | +40 | 376 | 923 |
| 54 | 844 | 983 | 44 | 129 | 716 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 39 | 619 | 087 | 83 | 060 | 441 |
| 28 | 588 | 562 | 35 | 031 | 199 |
| 16 | 655 | 508 | 54 | 844 | 983 |
| 24 | 095 | 916 | 44 | 129 | 716 |
| +92 | 120 | 272 | 157 | 066 | 339 |
| 157 | 066 | 339 | | | |

## 3. Übung

7. Kor.

Nordrhein-Westfalen

1939-1950

| | | | |
|---|---|---|---|
| 13 | 197 | 000 |
| -11 | 934 | 400 |
| 1 | 262 | 600 |

1950-1961

| | | | |
|---|---|---|---|
| 15 | 901 | 700 |
| -13 | 197 | 000 |
| 2 | 704 | 700 |

1939-1961

| | | | |
|---|---|---|---|
| 15 | 901 | 700 |
| -11 | 934 | 400 |
| 3 | 967 | 300 |

## Bayern:

| 1939 - 1950 | 1950 - 1961 | 1939 - 1961 |
|---|---|---|
| 9 184 500 | 9 591 900 | 9 591 900 |
| -7 084 100 | -9 184 500 | -7 084 100 |
| 2 100 400 | 407 400 | 2 507 800 |

## Baden-Württemberg:

| 1939 - 1950 | 1950 - 1961 | 1939 - 1961 |
|---|---|---|
| 6 430 200 | 7 838 700 | 7 838 700 |
| -5 476 000 | -6 430 200 | -5 476 000 |
| 954 200 | 1 408 500 | 2 362 700 |

## Niedersachsen:

| 1939 - 1950 | 1950 - 1961 (war es mehr) | 1939 - 1961 |
|---|---|---|
| 6 797 400 | 6 797 400 | 6 675 100 |
| -4 439 700 | -6 675 100 | -4 439 700 |
| 2 357 700 | 122 300 | 2 235 400 |

## Hessen:

| 1939 - 1950 | 1950 - 1961 | 1939 - 1961 |
|---|---|---|
| 4 323 800 | 4 861 300 | 4 861 300 |
| -3 479 900 | -4 323 800 | -3 479 900 |
| 844 900 | 537 500 | 1 381 400 |

## Rheinland-Pfalz:

| 1939 - 1950 | 1950 - 1961 | 1939 - 1961 |
|---|---|---|
| 3 007 800 | 3 438 500 | 3 438 500 |
| -2 960 000 | -3 004 800 | -2 960 000 |
| 44 800 | 433 700 | 478 500 |

## Schleswig-Holstein:

| 1939 - 1950 | 1950 - 1961 (mehr) | 1939 - 1961 |
|---|---|---|
| 2 594 600 | 2 594 600 | 2 328 400 |
| -1 589 200 | -2 328 400 | -1 589 200 |
| 1 005 400 | 266 200 | 739 200 |

## Hamburg:

| 1939 - 1950 (mehr) | 1950 - 1961 | 1939 - 1961 |
|---|---|---|
| 1 711 900 | 1 840 500 | 1 840 500 |
| -1 605 600 | -1 605 600 | -1 711 900 |
| 106 300 | 234 900 | 128 600 |

## Saarland:

| 1939 - 1950 | 1950 - 1961 | 1939 - 1961 |
|---|---|---|
| 955 400 | 1 082 500 | 1 082 500 |
| -909 600 | -955 400 | -909 600 |
| 45 800 | 127 100 | 172 900 |

## Bremen:

| 1939 - 1950 | 1950 - 1961 | 1939 - 1961 |
|---|---|---|
| mehr | | |
| 562 900 | 712 200 | 712 200 |
| - 558 600 | - 558 600 | - 562 900 |
| 4 300 | 153 600 | 149 300 |

## Westberlin:

| 1939 - 1950 | 1950 - 1961 | 1939 - 1961 |
|---|---|---|
| mehr | | mehr |
| 2 750 500 | 2 188 700 | 2 750 500 |
| - 2 147 800 | - 2 147 800 | - 2 188 700 |
| 602 700 | 40 900 | 561 800 |

4. Übung

10. Nov

| E | | | Z | | | H | | |
|---|---|---|---|---|---|---|---|---|
| 19 | 001 | | 19 | 010 | | 19 | 100 | |
| 19 | 000 | | 19 | 000 | | 19 | 000 | |
| 18 | 999 | | 18 | 990 | | 18 | 900 | |
| 41 | 001 | | 41 | 010 | | 41 | 100 | |
| 41 | 000 | | 41 | 000 | | 41 | 000 | |
| 40 | 999 | | 40 | 990 | | 40 | 900 | |
| 101 | 001 | | 101 | 010 | | 101 | 100 | |
| 101 | 000 | | 101 | 000 | | 101 | 000 | |
| 100 | 999 | | 100 | 990 | | 100 | 900 | |
| 280 | 001 | | 280 | 010 | | 280 | 100 | |
| 280 | 000 | | 280 | 000 | | 280 | 000 | |
| 279 | 999 | | 279 | 990 | | 279 | 900 | |
| 535 | 001 | | 535 | 010 | | 535 | 100 | |
| 535 | 000 | | 535 | 000 | | 535 | 000 | |
| 534 | 999 | | 534 | 990 | | 534 | 900 | |

| | | |
|---|---|---|
| 990 | 001 | 990 010 990 100 |
| 990 | 000 | 990 000 990 000 |
| 989 | 999 | 989 990 989 900 |

10 000 - 1 = 9 999
91 000 - 1 = 90 999
370 000 - 1 = 369 999
1 000 000 - 1 = 999 999
2 001 000 - 1 = 2 000 999

10 000 - 20 = 9 980
91 000 - 20 = 90 980
370 000 - 20 = 369 980
1 000 000 - 20 = 999 980
2 001 000 - 20 = 2 000 980

10 000 - 300 = 9 700
91 000 - 300 = 90 700
370 000 - 300 = 369 700
1 000 000 - 300 = 999 700
2 001 000 - 300 = 2 000 700

10 000 - 4000 = 6 000
91 000 - 4000 = 87 000
370 000 - 4000 = 366 000
1 000 000 - 4000 = 996 000
2 001 000 - 4000 = 1 997 000

9 899 + 10 = 9 909
50 995 + 10 = 51 005
99 990 + 10 = 100 000
448 991 + 10 = 449 001
999 999 + 10 = 1 000 009

9 899 + 200 = 10 099
50 995 + 200 = 51 195
99 990 + 200 = 100 190
448 991 + 200 = 449 191
999 999 + 200 = 1 000 199

Bremen:

1939 mehr

562 9
-558 6
4 3

Westberlin

1939 mehr

2 750
:2 14,7
602

4. Übung

| | |
|---|---|
| 19 | 0 |
| 19 | 0 |
| 18 | 9 |
| 41 | 0 |
| 41 | 0 |
| 40 | 9 |
| 101 | 0 |
| 101 | 0 |
| 100 | 9 |
| 280 | 0 |
| 280 | 0 |
| 279 | 9 |
| 535 | 0 |
| 535 | 0 |

9 899 + 3000 = 12 899
50 995 + 3000 = 53 995
99 990 + 3000 = 102 990
448 991 + 3000 = 451 991
999 999 + 3000 = 1 002 999

## Wir merken uns:

1.) Ich teile durch 2 ⌀ und bekomme $\frac{1}{2}$ ⌀

2.) Ich teile durch 4 ⌀⌀ und bekomme $\frac{1}{4}$ ⌀

3.) Ich teile durch 8 ⌀⌀⌀ und bekomme $\frac{1}{8}$ ⌀

$\frac{1}{2}$ $\frac{2}{2}$ | $\frac{1}{4}$ $\frac{2}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ | $\frac{1}{8}$ $\frac{2}{8}$ $\frac{3}{8}$ $\frac{4}{8}$ $\frac{5}{8}$ $\frac{6}{8}$ $\frac{7}{8}$ $\frac{8}{8}$

1 ⌀ = $\frac{2}{2}$

2 ⌀ ⌀ = $\frac{4}{2}$

3 ⌀ ⌀ ⌀ = $\frac{6}{2}$

4 ⌀ ⌀ ⌀ ⌀ = $\frac{8}{2}$

5 ⌀ ⌀ ⌀ ⌀ ⌀ = $\frac{10}{2}$

6 ⌀ ⌀ ⌀ ⌀ ⌀ ⌀ = $\frac{12}{2}$

7 ⌀ ⌀ ⌀ ⌀ ⌀ ⌀ ⌀ = $\frac{14}{2}$

8 ⌀ ⌀ ⌀ ⌀ ⌀ ⌀ ⌀ ⌀ = $\frac{16}{2}$

9 ⌀ ⌀ ⌀ ⌀ ⌀ ⌀ ⌀ ⌀ ⌀ = $\frac{18}{2}$

10 ⌀ ⌀ ⌀ ⌀ ⌀ ⌀ ⌀ ⌀ ⌀ ⌀ = $\frac{20}{2}$

1 ✻ = $\frac{4}{8}$

2 ✻ ✻ = $\frac{16}{8}$

3 ✻ ✻ ✻ = $\frac{24}{8}$

4 ✻ ✻ ✻ ✻ = $\frac{32}{8}$

5 ✻ ✻ ✻ ✻ ✻ = $\frac{40}{8}$

6 ✻ ✻ ✻ ✻ ✻ ✻ = $\frac{48}{8}$

7 ✻ ✻ ✻ ✻ ✻ ✻ ✻ = $\frac{56}{8}$

8 ✻ ✻ ✻ ✻ ✻ ✻ ✻ ✻ = $\frac{64}{8}$

9 ✻ ✻ ✻ ✻ ✻ ✻ ✻ ✻ ✻ = $\frac{72}{8}$

10 ✻ ✻ ✻ ✻ ✻ ✻ ✻ ✻ ✻ ✻ = $\frac{80}{8}$

5 5 5 . 1 0 .

16. Hausaufgabe

27. XI

1 ⊕ = $\frac{4}{4}$

2 ⊕ ⊕ = $\frac{8}{4}$

3 ⊕ ⊕ ⊕ = $\frac{12}{4}$

4 ⊕ ⊕ ⊕ ⊕ = $\frac{16}{4}$

5 ⊕ ⊕ ⊕ ⊕ ⊕ = $\frac{20}{4}$ o = oder

6 ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ = $\frac{24}{4}$

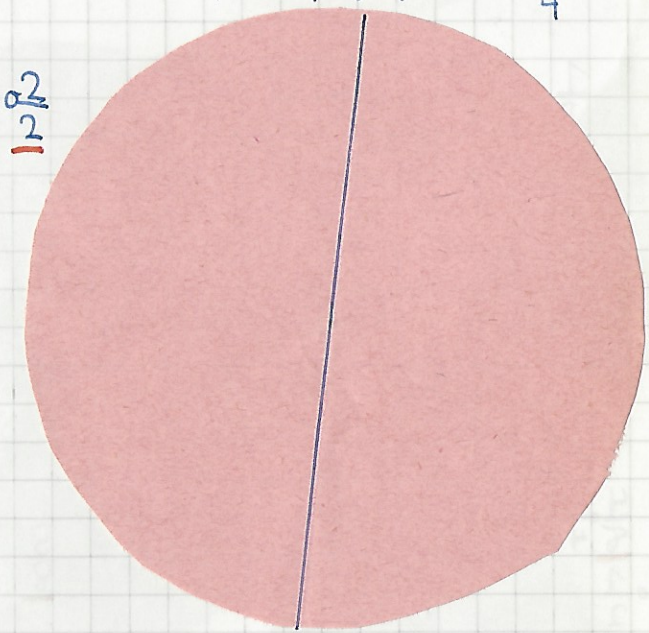
7 ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ = $\frac{28}{4}$

8 ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ = $\frac{32}{4}$

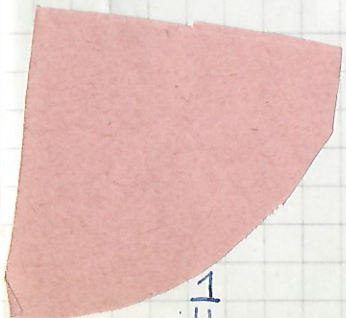
9 ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ = $\frac{36}{4}$

10 ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ = $\frac{40}{4}$

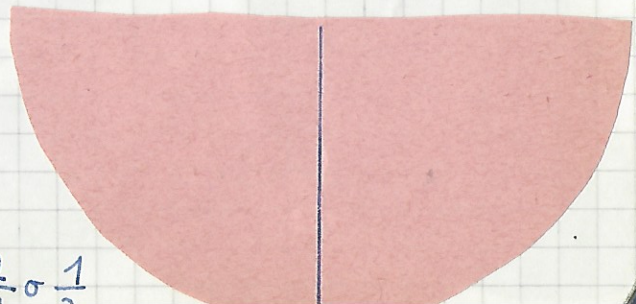
$\frac{1}{2}$ o



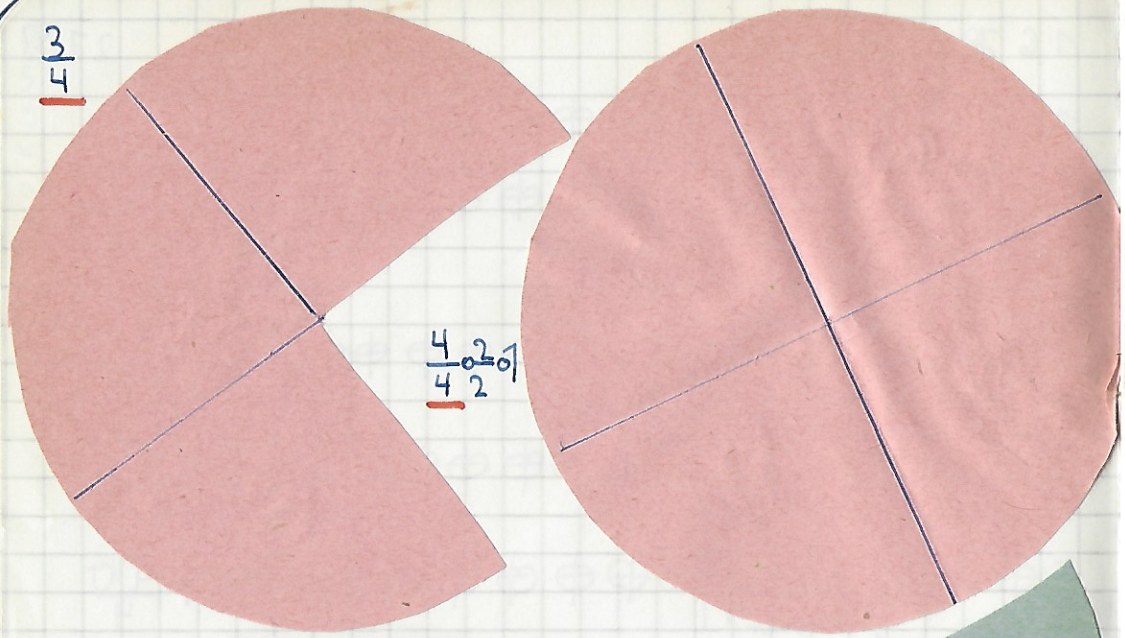
1 o $\frac{2}{2}$

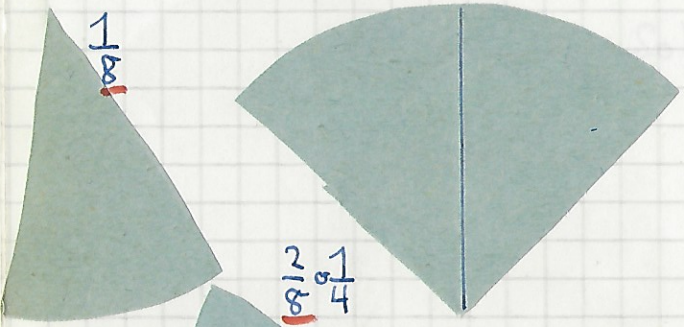


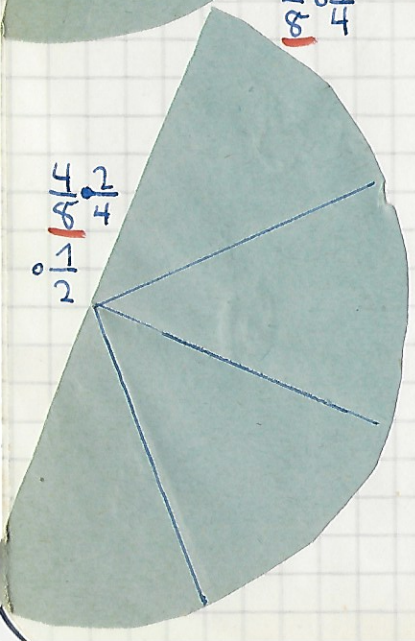
$\frac{1}{4}$

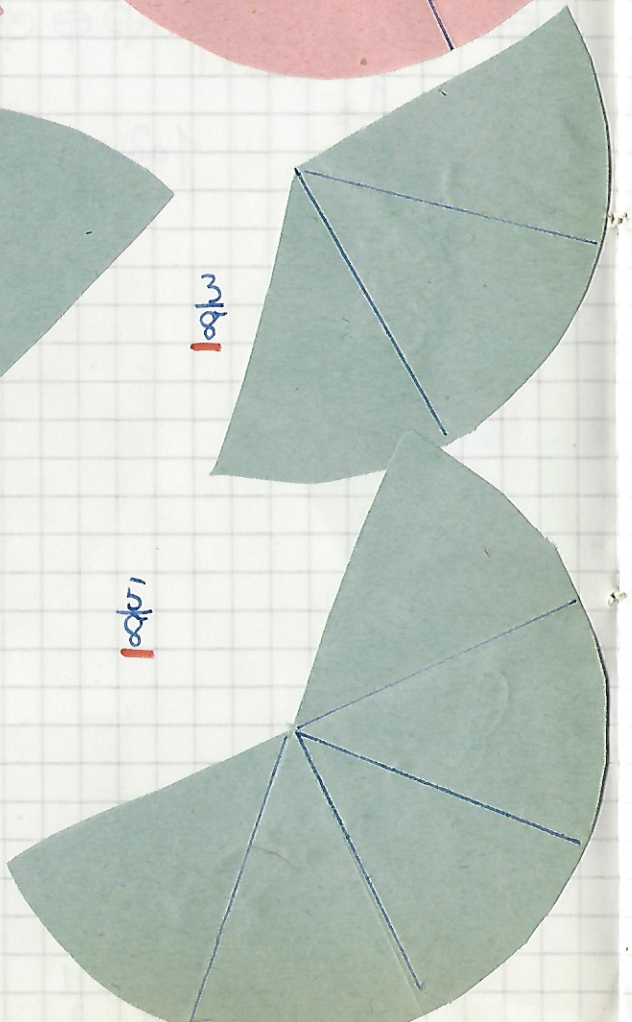


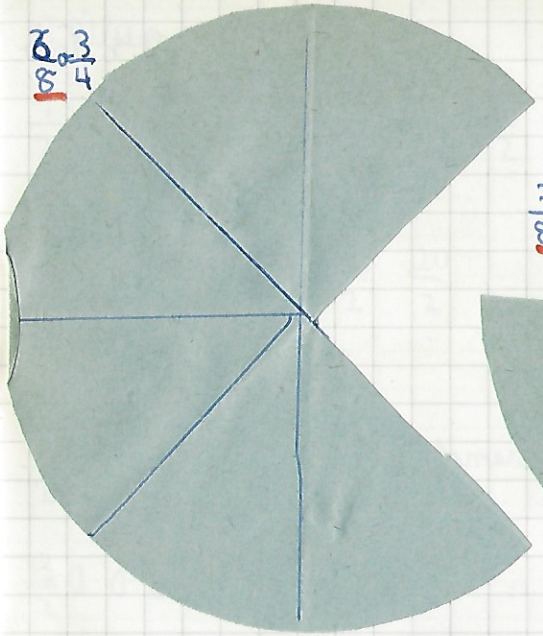
$\frac{2}{4}$ o $\frac{1}{2}$

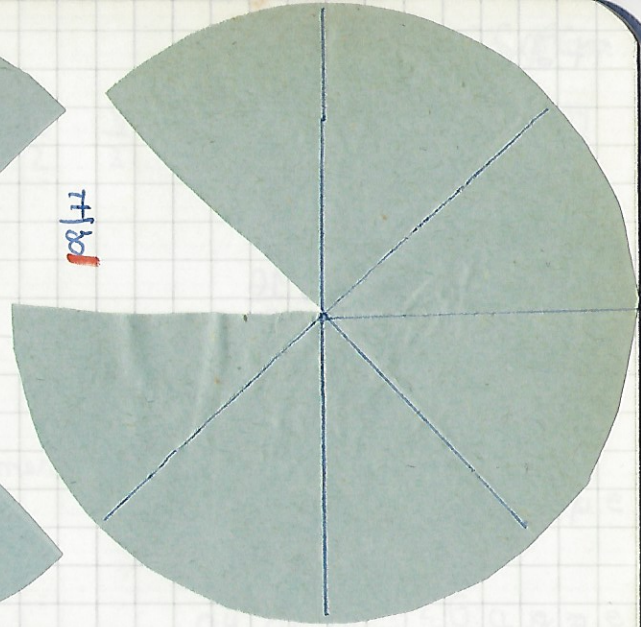

3/4
4/4 ∘ 2/2 ∘ 1

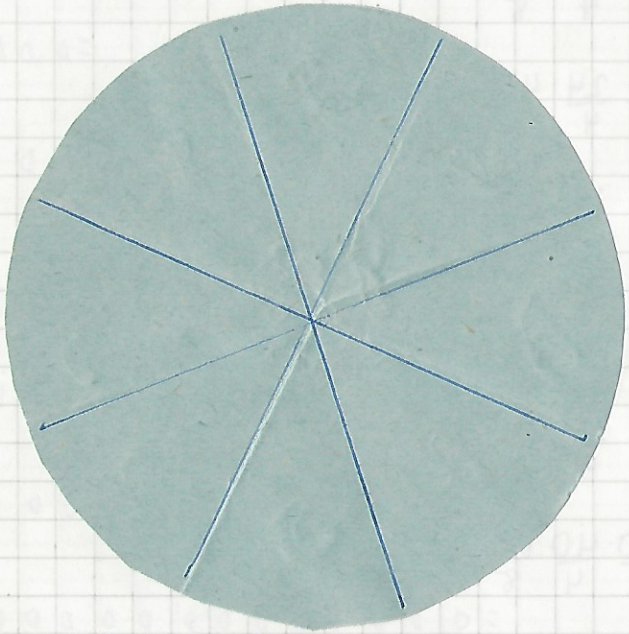

1/8
2/8 ∘ 1/4


4/8 ∘ 2/4
∘ 1/2


3/8
∘ 1/2


6/8 ∘ 3/4


7/8


8/8 ∘ 4/4 ∘ 2/2 ∘ 1

17. Hausaufgabe 24. Nov.

1 Ganzes = $\frac{2}{2}$ $\frac{4}{4}$ $\frac{8}{8}$

2 Ganze = $\frac{4}{2}$ $\frac{8}{4}$ $\frac{16}{8}$

3 Ganze = $\frac{6}{2}$ $\frac{12}{4}$ $\frac{24}{8}$

4 Ganze = $\frac{8}{2}$ $\frac{16}{4}$ $\frac{32}{8}$

5 Ganze = $\frac{10}{2}$ $\frac{20}{4}$ $\frac{40}{8}$

6 Ganze = $\frac{12}{2}$ $\frac{24}{4}$ $\frac{48}{8}$

7 Ganze = $\frac{14}{2}$ $\frac{28}{4}$ $\frac{56}{8}$

8 Ganze = $\frac{16}{2}$ $\frac{32}{4}$ $\frac{64}{8}$

9 Ganze = $\frac{18}{2}$ $\frac{36}{4}$ $\frac{72}{8}$

10 Ganze = $\frac{20}{2}$ $\frac{40}{4}$ $\frac{80}{8}$

5. Übung 26. Nov.

$\frac{1}{2}$ $\frac{2}{2}$ $\frac{3}{2}$ $\frac{4}{2}$ $\frac{5}{2}$ $\frac{6}{2}$ $\frac{7}{2}$ $\frac{8}{2}$ $\frac{9}{2}$ $\frac{10}{2}$ $\frac{11}{2}$ $\frac{12}{2}$ $\frac{13}{2}$ $\frac{14}{2}$

1G 2G 3G 4G 5G 6G 7G

$\frac{15}{2}$ $\frac{16}{2}$ $\frac{17}{2}$ $\frac{18}{2}$ $\frac{19}{2}$ $\frac{20}{2}$

8G 9G 10G

$\frac{1}{2}$ ◯ = Wir rechnen mit Halben 0 Ganze

$\frac{3}{2}$ ◯ ◯ ◯ = $1\frac{1}{2}$ Ganze

$\frac{5}{2}$ ◯ ◯ ◯ ◯ ◯ = $2\frac{1}{2}$ Ganze

$\frac{7}{2}$ ◯ ◯ ◯ ◯ ◯ ◯ ◯ = $3\frac{1}{2}$ Ganze

$\frac{9}{2}$ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ = $4\frac{1}{2}$ Ganze

$\frac{11}{2}$ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ = $5\frac{1}{2}$ Ganze

$\frac{13}{2}$ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ $6\frac{1}{2}$ Ganze

$\frac{15}{2}$ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ = $7\frac{1}{2}$ Ganze

$\frac{17}{2}$ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ = $8\frac{1}{2}$ Ganze

$\frac{19}{2}$ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ ◯ = $9\frac{1}{2}$ Ganze

18. Hausaufgabe 26. Nov.

$2G = \frac{4}{2}$ / $3G = \frac{6}{2}$ / $4G = \frac{8}{2}$ / $5G = \frac{10}{2}$ / $6G = \frac{12}{2}$ / $7G = \frac{14}{2}$ / $8G = \frac{16}{2}$ /

18 Ganze = $\frac{36}{2}$ 32 Ganze = $\frac{64}{2}$

20 Ganze = $\frac{40}{2}$ 27 Ganze = $\frac{54}{2}$

23 Ganze = $\frac{46}{2}$ 25 Ganze = $\frac{50}{2}$

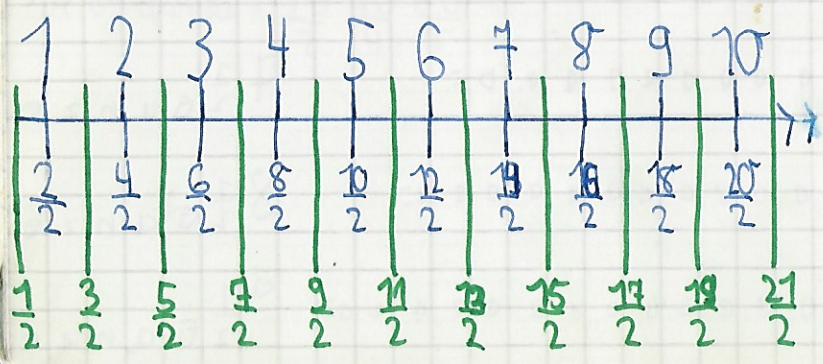
19 Ganze = $\frac{38}{2}$ 34 Ganze = $\frac{68}{2}$

$\frac{2}{2} = 1G$ / $\frac{6}{2} = 3G$ / $\frac{8}{2} = 4G$ / $\frac{4}{2} = 2G$ / $\frac{10}{2} = 5G$ / $\frac{14}{2} = 7G$ /

$\frac{30}{2} = 15G$ / $\frac{28}{2} = 14G$ / $\frac{26}{2} = 13G$ / $\frac{24}{2} = 12G$ / $\frac{22}{2} = 11G$ /

$\frac{20}{2} = 10G$ / $\frac{18}{2} = 9G$ / $\frac{16}{2} = 8G$ / $\frac{14}{2} = 7G$ / $\frac{12}{2} = 6G$ / $\frac{10}{2} = 5G$ / $\frac{8}{2} = 4G$ /

$\frac{6}{2} = 3G$ / $\frac{4}{2} = 2G$ / $\frac{2}{2} = 1G$ /




19. Hausaufgabe 28. Nov

a) $\frac{4}{2} + \frac{3}{2} = \frac{7}{2} = 3G\frac{1}{2}$ b) $\frac{3}{2} + \frac{7}{2} = \frac{10}{2} = 5G$ c) $\frac{5}{2} + \frac{7}{2} = \frac{12}{2} = 6G$ d) $\frac{8}{2} + \frac{12}{2} = \frac{20}{2} = 10G$

$\frac{6}{2} + \frac{6}{2} = \frac{14}{2} = 5G\frac{1}{2}$ $\frac{5}{2} + \frac{11}{2} = \frac{16}{2} = 8G$ $\frac{4}{2} + \frac{8}{2} = \frac{12}{2} = 6G$ $\frac{13}{2} + \frac{6}{2} = \frac{19}{2} = 9G\frac{1}{2}$

a) $\frac{7}{2} - \frac{5}{2} = \frac{2}{2} = 1G$ b) $\frac{9}{2} - \frac{6}{2} = \frac{3}{2} = 1G\frac{1}{2}$ c) $\frac{13}{2} - \frac{7}{2} = \frac{6}{2} = 3G$

d) $\frac{8}{2} - \frac{2}{2} = \frac{6}{2} = 3G$ e) $\frac{14}{2} - \frac{7}{2} = \frac{7}{2} = 3G\frac{1}{2}$

a) $\frac{6}{2} + \frac{3}{2} = \frac{9}{2} = 4G\frac{1}{2}$ b) $\frac{5}{2} - \frac{4}{2} = \frac{1}{2}$ - c) $\frac{4}{2} + \frac{7}{2} = \frac{11}{2} = 5G\frac{1}{2}$

$\frac{8}{2} + \frac{5}{2} = \frac{13}{2} = 6G\frac{1}{2}$ $\frac{15}{2} - \frac{5}{2} = \frac{10}{2} = 5G$ $\frac{12}{2} - \frac{5}{2} = \frac{7}{2} = 3G\frac{1}{2}$

d) $\frac{17}{2} + \frac{7}{2} = \frac{14}{2} = 7G$ ($\frac{17}{2} - \frac{8}{2} = \frac{19}{2} = 9G\frac{1}{2}$ $\frac{17}{2} - \frac{8}{2} = \frac{9}{2} = 4G\frac{1}{2}$

Die Hälfte von 10 Äpfel sind $\frac{20}{2}$

$\frac{1}{2}$ von 10 Äpfeln sind 5 Äpfel oder $\frac{10}{2}$

$\frac{1}{2}$ von 14 Birnen sind 7 Äpfel (+Birnen) oder $\frac{14}{2}$

$\frac{1}{2}$ von 16 Küssen sind 8 Küsse oder $\frac{16}{2}$

$\frac{1}{2}$ von 30 Schüssern sind 15 Schüsser oder $\frac{30}{2}$

$\frac{1}{2}$ von 5 0 Pfennig sind 25 Pfennig

$\frac{1}{2}$ von 7 2 Pfennig sind 4 6 Pfennig

$\frac{1}{2}$ von 5 6 Pfennig sind 2 8 Pfennig

$\frac{1}{2}$ von 3 DM = 1 DM 50 Pfennig

$\frac{1}{2}$ von 1 DM = 5 0 Pfennig

$\frac{1}{2}$ von 7 DM = 3 DM 50 Pfennig

$\frac{1}{2}$ von 1 1m = 5m 50cm oder 5 $\frac{1}{2}$ m

$\frac{1}{2}$ von 2 0m = 1 0m

$\frac{1}{2}$ von 4 7m = 2 3m 50cm oder 2 3 $\frac{1}{2}$ m

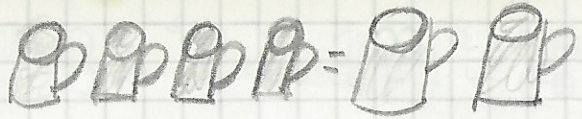
20. Hausaufgabe 3. Dez.

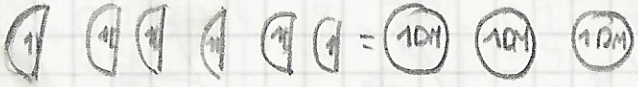
$\frac{1}{2}$ von 92 = 46 / $\frac{1}{2}$ von 36 = 18 / $\frac{1}{2}$ von 98 = 49 /

$\frac{1}{2}$ von 54 = 27

$\frac{1}{2}$ DM = 50 Pf. / $\frac{1}{2}$ kg = 500g / $\frac{1}{2}$ m = 50cm / $\frac{1}{2}$ hl = 50l /

500 km = $\frac{1}{2}$ km / 6 Stck. = $\frac{1}{2}$ Dtzd / 50 Pf. = $\frac{1}{2}$ DM

4 x $\frac{1}{2}$ = $\frac{4}{2}$ 

6 x $\frac{1}{2}$ = $\frac{6}{2}$ 


5 x $\frac{1}{2}$ = $\frac{5}{2}$ 

2 x $\frac{3}{2}$ = $\frac{6}{2}$ 

3 x $\frac{2}{2}$ = $\frac{6}{2}$ 

## Wir rechnen mit Vierteln

1.) Wir bilden Reihen.

1 G ⊕ $\frac{4}{4}$

2 G ⊕ ⊕ $\frac{8}{4}$

3 G ⊕ ⊕ ⊕ $\frac{12}{4}$

4 G ⊕ ⊕ ⊕ ⊕ $\frac{16}{4}$

5 G ⊕ ⊕ ⊕ ⊕ ⊕ $\frac{20}{4}$

6 G ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ $\frac{24}{4}$

7 G ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ $\frac{28}{4}$

8 G ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ $\frac{32}{4}$

9 G ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ $\frac{36}{4}$

10 G ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ $\frac{40}{4}$

11 G ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ $\frac{44}{4}$

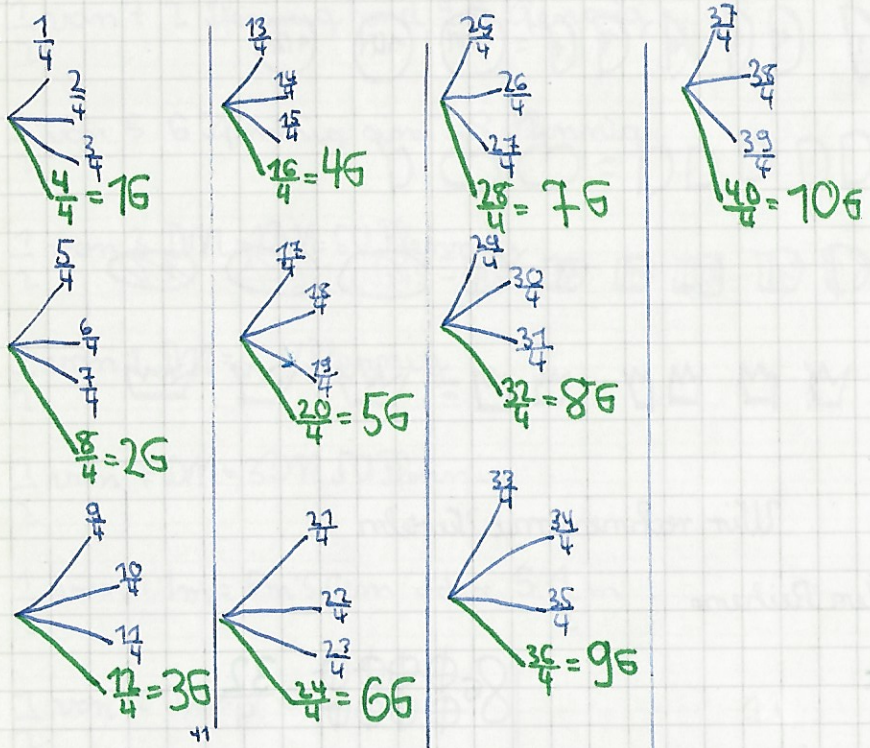
12 G ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ $\frac{48}{4}$

13 G ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ $\frac{52}{4}$

14 G ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ $\frac{56}{4}$

15 G $\frac{60}{4}$

2.




3. $\frac{1}{4}$ = 0G $\frac{1}{4}$ $\frac{13}{4}$ = 3G $\frac{1}{4}$

$\frac{3}{4}$ = 0G $\frac{3}{4}$ $\frac{15}{4}$ = 3G $\frac{3}{4}$

$\frac{5}{4}$ = 1G $\frac{1}{4}$ $\frac{17}{4}$ = 4G $\frac{1}{4}$

$\frac{7}{4}$ = 1G $\frac{3}{4}$ $\frac{19}{4}$ = 4G $\frac{3}{4}$

$\frac{9}{4}$ = 2G $\frac{1}{4}$ $\frac{21}{4}$ = 5G $\frac{1}{2}$

$\frac{11}{4}$ = 2G $\frac{3}{4}$

21. Hausaufgabe

a) $\frac{2}{4} + \frac{7}{4} = \frac{9}{4} = 2\frac{1}{4}$

$\frac{6}{4} + \frac{8}{4} = \frac{14}{4} = 3\frac{2}{4}$

b) $\frac{4}{4} + \frac{9}{4} = \frac{13}{4} = 3\frac{1}{4}$

$\frac{1}{4} + \frac{13}{4} = \frac{14}{4} = 3\frac{2}{4}$

c) $\frac{7}{4} + \frac{7}{4} = \frac{14}{4} = 3\frac{1}{4}$

12. Der

a) $\frac{5}{4} + \frac{10}{4} = \frac{15}{4} = 3\frac{3}{4}$ b) $\frac{11}{4} + \frac{7}{4} = \frac{18}{4} = 4\frac{2}{4}$ $\frac{19}{4} + \frac{5}{4} = \frac{24}{4} = 6$

c) $\frac{27}{4} + \frac{12}{4} = \frac{33}{4} = 8\frac{1}{4}$ $\frac{24}{4} + \frac{9}{4} = \frac{33}{4} = 8\frac{1}{4}$

a) $\frac{8}{4} - \frac{3}{4} = \frac{5}{4} = 1\frac{1}{4}$ b) $\frac{13}{4} - \frac{7}{4} = \frac{6}{4} = 1\frac{2}{4}$ c) $\frac{18}{4} - \frac{9}{4} = \frac{9}{4} = 2\frac{1}{4}$

$\frac{9}{4} - \frac{4}{4} = \frac{5}{4} = 1\frac{1}{4}$ $\frac{7}{4} - \frac{2}{4} = \frac{5}{4} = 1\frac{1}{4}$ $\frac{17}{4} - \frac{3}{4} = \frac{9}{4} = 2\frac{1}{2}$

d) $\frac{10}{4} - \frac{10}{4} = 0$ e) $\frac{17}{4} - \frac{8}{4} = \frac{9}{4} = 2\frac{1}{4}$

$\frac{22}{4} - \frac{5}{4} = \frac{17}{4} = 4\frac{1}{4}$ $\frac{16}{4} - \frac{7}{4} = \frac{9}{4} = 2\frac{1}{4}$

a) $\frac{3}{4} + \frac{4}{4} = \frac{7}{4} = 1\frac{3}{4}$ b) $\frac{8}{4} - \frac{6}{4} = \frac{2}{4}$ c) $\frac{2}{4} + \frac{5}{4} = \frac{7}{4} = 1\frac{3}{4}$

$\frac{11}{4} + \frac{11}{4} = \frac{22}{4} = 5\frac{2}{4}$ $\frac{23}{4} - \frac{8}{4} = \frac{15}{4} = 3\frac{3}{4}$ $\frac{11}{4} - \frac{3}{4} = \frac{8}{4} = 2$

d) $\frac{15}{4} + \frac{7}{4} = \frac{22}{4} = 5\frac{2}{4}$ $\frac{24}{4} - \frac{5}{4} = \frac{19}{4} = 4\frac{3}{4}$ p.d.

12. Hausaufgabe 12. Januar 10

Wir rechnen mit Achteln

$3 = \frac{24}{8}$ $15 = \frac{120}{8}$ $9 = \frac{72}{8}$ $17 = \frac{136}{8}$ | $\frac{16}{8} = 2$ $\frac{24}{8} = 3$ $\frac{72}{8} = 9$

$7 = \frac{56}{8}$ $13 = \frac{104}{8}$ $20 = \frac{160}{8}$ $25 = \frac{200}{8}$ | $\frac{40}{8} = 5$ $\frac{56}{8} = 7$ $\frac{48}{8} = 6$

$\frac{64}{8}=8$ $\frac{32}{8}=4$ $\frac{96}{8}=12$

Aufgaben a, b, c, d, e:

$\frac{6}{8}+\frac{3}{8}=\frac{9}{8}=1\frac{1}{8}$ $\frac{9}{8}+\frac{5}{8}=\frac{14}{8}=1\frac{6}{8}$ $\frac{7}{8}+\frac{9}{8}=\frac{16}{8}=2$

$\frac{13}{8}+\frac{7}{8}=\frac{20}{8}=2\frac{4}{8}$ $\frac{17}{8}+\frac{6}{8}=\frac{23}{8}=2\frac{7}{8}$ $\frac{21}{8}+\frac{11}{8}=\frac{32}{8}=4$

$\frac{26}{8}+\frac{9}{8}=\frac{35}{8}=4\frac{3}{8}$ $\frac{32}{8}+\frac{7}{8}=\frac{39}{8}=4\frac{7}{8}$ $\frac{25}{8}+\frac{6}{8}=\frac{47}{8}=5\frac{1}{8}$

Aufgaben a, b, c, d, e:

$\frac{39}{8}+\frac{4}{8}=\frac{43}{8}=5\frac{3}{8}$ $\frac{9}{8}-\frac{3}{8}=\frac{6}{8}=0\frac{6}{8}$ $\frac{13}{8}-\frac{6}{8}=\frac{7}{8}=0\frac{7}{8}$

$\frac{21}{8}-\frac{7}{8}=\frac{14}{8}=1\frac{6}{8}$ $\frac{23}{8}-\frac{6}{8}=\frac{17}{8}=2\frac{1}{8}$ $\frac{25}{8}-\frac{8}{8}=\frac{17}{8}=2\frac{1}{8}$

$\frac{31}{8}-\frac{12}{8}=\frac{19}{8}=2\frac{3}{8}$ $\frac{32}{8}-\frac{7}{8}=\frac{25}{8}=3\frac{1}{8}$ $\frac{39}{8}-\frac{13}{8}=\frac{26}{8}=3\frac{2}{8}$

Aufgaben a, b, c, d, e: 13

$\frac{41}{8}-\frac{7}{8}=\frac{34}{8}=4\frac{2}{8}$ $\frac{45}{8}-\frac{7}{8}=\frac{38}{8}=4\frac{6}{8}$ $\frac{7}{8}+\frac{21}{8}=\frac{28}{8}$ ✓

9

$\frac{13}{8}+\frac{17}{8}=\frac{21}{8}$ $\frac{8}{8}-\frac{5}{8}=\frac{3}{8}$ ✓ $\frac{19}{8}-\frac{12}{8}=\frac{7}{8}$ ✓ $\frac{22}{8}+\frac{4}{8}=\frac{26}{8}$ $\frac{13}{8}+\frac{3}{8}=\frac{16}{8}$

$\frac{50}{8}-\frac{2}{8}=\frac{48}{8}$ $\frac{28}{8}-\frac{10}{8}=\frac{18}{8}$ gelöst

## 23. Hausaufgabe

14. Jan.

$\frac{1}{8}$ von 16 DM = 2 DM $\frac{1}{8}$ von 56 DM = 7 DM $\frac{1}{8}$ von 32 DM = 4 DM

$\frac{3}{8}$ von 16 DM = 6 DM $\frac{5}{8}$ von 56 DM = 35 DM $\frac{7}{8}$ von 32 DM = 28 DM

$\frac{5}{8}$ von 24 m = 15 m $\frac{6}{8}$ von 80 m = 60 m $\frac{4}{8}$ von 72 m = 36 m

$\frac{1}{8}$ von 48 DM = 6 DM $\frac{5}{8}$ von 48 DM = 30 DM $\frac{7}{8}$ von 84 m = $73\frac{1}{2}$ m

$\frac{1}{8}$ von 64 DM = 8 DM $\frac{3}{8}$ von 64 DM = 24 DM $\frac{3}{8}$ von 400 m = 150 m

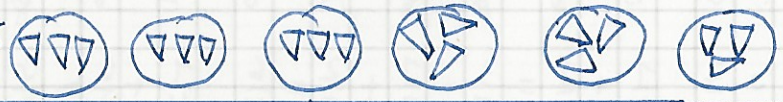
Im Cafe wurde an 2 Tischen $\frac{6}{8}$ von einer Obsttorte gegessen

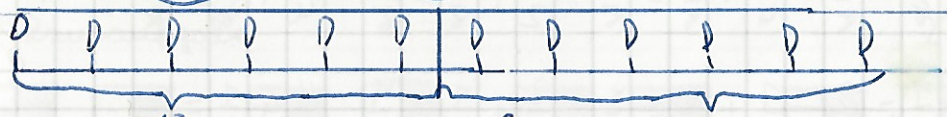
3 · $\frac{1}{8}=\frac{3}{8}$

8 · $\frac{1}{8}=\frac{8}{8}$

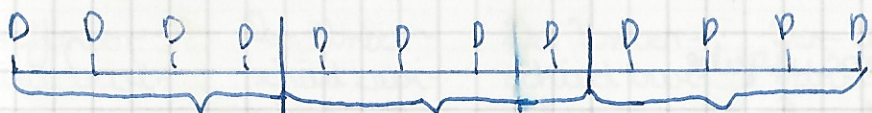
3 · $\frac{3}{8}=\frac{9}{8}$

6 · $\frac{3}{8}=\frac{18}{8}$





$\frac{12}{8} : 2 = \frac{6}{8}$



$\frac{12}{8} : 2 = \frac{4}{8}$

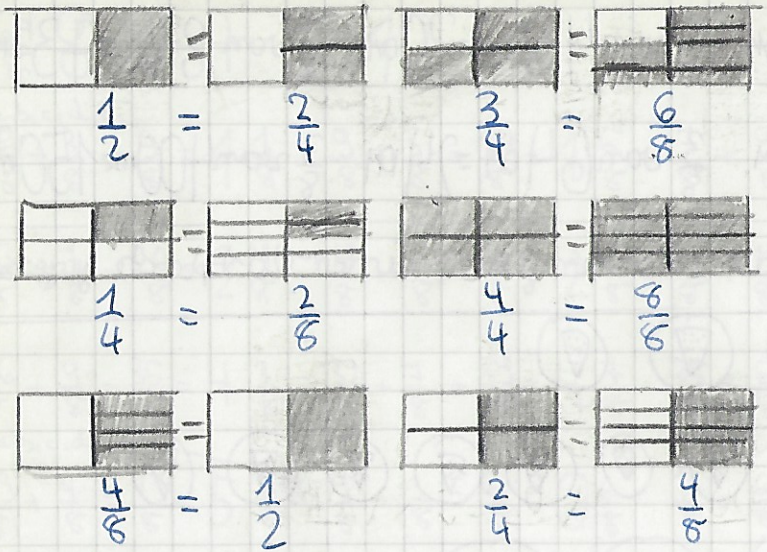
## 24. Hausaufgabe

16. Januar

$\frac{1}{2}=\frac{2}{4}$ $\frac{2}{4}=\frac{4}{8}$ $\frac{2}{6}=\frac{1}{4}$ $\frac{2}{2}=\frac{8}{8}$ $\frac{4}{4}=\frac{8}{8}$ $\frac{4}{6}=\frac{1}{2}$

$\frac{1}{2}=\frac{4}{8}$ $\frac{1}{6}=\frac{2}{4}$ $\frac{8}{8}=\frac{4}{4}$ $\frac{3}{4}=\frac{6}{8}$ $\frac{5}{6}=\frac{2}{2}$

$\frac{1}{4}=\frac{2}{6}$ $\frac{4}{4}=\frac{2}{2}$ $\frac{2}{2}=\frac{4}{4}$ $\frac{6}{8}=\frac{3}{4}$ $\frac{2}{4}=\frac{1}{2}$



$\frac{1}{2} = \frac{2}{4}$ $\frac{3}{4} = \frac{6}{8}$

$\frac{1}{4} = \frac{2}{8}$ $\frac{4}{4} = \frac{8}{8}$

$\frac{4}{8} = \frac{1}{2}$ $\frac{2}{4} = \frac{4}{8}$

a) $\frac{1}{4} + \frac{3}{8} = \frac{5}{8}$ b) $\frac{1}{2} + \frac{1}{4} = \frac{3}{4}$ c) $\frac{5}{8} + \frac{1}{4} = \frac{7}{8}$ d) $\frac{1}{2} + \frac{4}{8} = \frac{8}{8}$

$\frac{3}{4} + \frac{1}{8} = \frac{7}{8}$ $\frac{1}{4} + \frac{1}{8} = \frac{3}{8}$ $\frac{1}{2} + \frac{2}{8} = \frac{6}{8}$ $\frac{1}{4} + \frac{6}{8} = \frac{8}{8}$

$\frac{1}{8} + \frac{1}{2} = \frac{5}{8}$ $\frac{1}{2} + \frac{3}{8} = \frac{7}{8}$ $\frac{2}{8} + \frac{1}{4} = \frac{4}{8}$ $\frac{4}{8} + \frac{1}{4} = \frac{6}{8}$

## 25. Hausaufgabe

20. Jan.

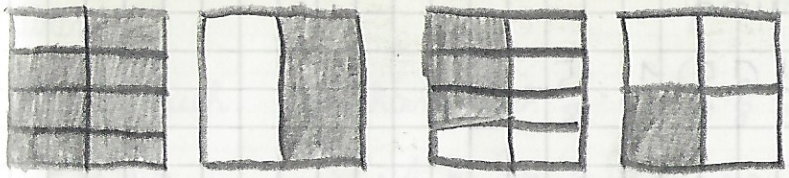
a) $\frac{1}{2} - \frac{3}{8} = \frac{1}{8}$ b) $\frac{1}{2} - \frac{1}{4} = \frac{1}{4}$ c) $\frac{3}{8} - \frac{1}{4} = \frac{1}{8}$ d) $\frac{6}{8} - \frac{1}{2} = \frac{2}{8}$

$\frac{3}{4} - \frac{1}{2} = \frac{1}{4}$ $\frac{7}{8} - \frac{3}{4} = \frac{1}{8}$ $\frac{5}{8} - \frac{1}{4} = \frac{3}{8}$ $\frac{4}{4} - \frac{4}{8} = \frac{4}{8}$

$\frac{1}{2} - \frac{1}{8} = \frac{3}{8}$ $\frac{1}{4} - \frac{1}{8} = \frac{1}{8}$ $\frac{1}{2} - \frac{2}{8} = \frac{2}{8}$ $\frac{5}{8} - \frac{1}{8} = \frac{1}{8}$

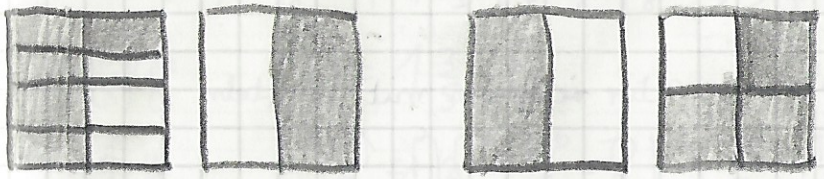
a) $\frac{1}{4} + \frac{1}{4} = \frac{1}{2}$ b) $\frac{3}{8} + \frac{1}{8} = \frac{1}{2}$ c) $\frac{2}{8} + \frac{3}{8} = \frac{2}{4}$ d) $\frac{3}{4} - \frac{2}{8} = \frac{4}{8}$

$\frac{1}{8} + \frac{1}{8} = \frac{2}{4}$ $\frac{3}{4} + \frac{1}{8} = \frac{7}{8}$ $\frac{3}{8} + \frac{3}{8} = \frac{3}{4}$ $\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$



Der Unterschied zwischen $\frac{7}{8}$ und $\frac{1}{2} = \frac{3}{8}$

Der Unterschied zwischen $\frac{3}{8}$ und $\frac{1}{4} = \frac{1}{8}$



Der Unterschied zwischen $\frac{5}{8}$ und $\frac{1}{2} = \frac{1}{8}$

Der Unterschied zwischen $\frac{1}{2}$ und $\frac{3}{4} = \frac{1}{4}$

## 26. Hausaufgabe

23. Jan.

Der Unterschied zwischen $\frac{7}{8}$ und $\frac{1}{4}$ ist $\frac{5}{8}$

Der Unterschied zwischen $\frac{5}{8}$ und $\frac{1}{4}$ ist $\frac{3}{8}$

Der Unterschied zwischen $\frac{1}{2}$ und $\frac{3}{8}$ ist $\frac{1}{8}$

Der Unterschied zwischen $\frac{3}{8}$ und $\frac{3}{4}$ ist $\frac{3}{8}$

Der Unterschied zwischen $\frac{1}{2}$ und $\frac{2}{8} = \frac{2}{8}$

Der Unterschied zwischen $\frac{4}{4}$ und $\frac{2}{2} = 0$

$\frac{1}{2} + \frac{1}{4} + \frac{1}{4} = 1$ $\frac{5}{8} + \frac{1}{4} + \frac{1}{8} = 1$

$\frac{3}{8} + \frac{1}{2} + \frac{1}{8} = 1$

$\frac{1}{4} + \frac{3}{8} + \frac{3}{8} = 1$

Größenordnung

$\frac{1}{2}$ $\frac{3}{4}$ $\frac{5}{8}$ ($\frac{4}{8}$ $\frac{6}{8}$ $\frac{5}{8}$) $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$

$\frac{7}{8}$ $\frac{3}{4}$ $\frac{1}{4}$ $\frac{1}{2}$ ($\frac{7}{8}$ $\frac{6}{8}$ $\frac{2}{8}$ $\frac{4}{8}$) $\frac{7}{8}$ $\frac{3}{4}$ $\frac{1}{2}$ $\frac{1}{4}$

$\frac{6}{2}$ $\frac{8}{4}$ $\frac{12}{8}$ $\frac{3}{4}$ ($\frac{24}{8}$ $\frac{16}{8}$ $\frac{12}{8}$ $\frac{6}{4}$) $\frac{6}{2}$ $\frac{8}{4}$ $\frac{12}{8}$ $\frac{3}{4}$

27. Hausaufgabe Wir rechnen mit Fünfteln 29. Jan.

$13 = \frac{65}{5}$ / $15 = \frac{75}{5}$ / $18 = \frac{90}{5}$ / $20 = \frac{100}{5}$ /

$\frac{10}{5} = 2$ / $\frac{20}{5} = 4$ / $\frac{25}{5} = 5$ / $\frac{45}{5} = 9$ / $\frac{65}{5} = 13$ / $\frac{80}{5} = 16$ / $\frac{95}{5} = 19$

$\frac{17}{5} - \frac{9}{5} = \frac{8}{5}$ / $\frac{17}{5} - \frac{9}{5} = \frac{8}{5}$ / $\frac{23}{5} - \frac{9}{5} = \frac{14}{5}$ / $\frac{19}{5} - \frac{9}{5} = \frac{10}{5}$ / $\frac{26}{5} - \frac{9}{5} = \frac{17}{5}$

$\frac{12}{5} - \frac{12}{5} = \frac{0}{5}$ / $\frac{17}{5} - \frac{12}{5} = \frac{5}{5}$ / $\frac{23}{5} - \frac{12}{5} = \frac{11}{5}$ / $\frac{19}{5} - \frac{12}{5} = \frac{7}{5}$ / $\frac{26}{5} - \frac{12}{5} = \frac{14}{5}$

$\frac{12}{5} - \frac{3}{5} = \frac{9}{5}$ / $\frac{17}{5} - \frac{3}{5} = \frac{14}{5}$ / $\frac{23}{5} - \frac{3}{5} = \frac{20}{5}$ / $\frac{19}{5} - \frac{3}{5} = \frac{16}{5}$ / $\frac{26}{5} - \frac{3}{5} = \frac{23}{5}$

$\frac{4}{5} + \frac{7}{5} = \frac{11}{5}$ / $\frac{9}{5} + \frac{7}{5} = \frac{16}{5}$ / $\frac{6}{5} + \frac{7}{5} = \frac{13}{5}$ / $\frac{11}{5} + \frac{7}{5} = \frac{18}{5}$ / $\frac{15}{5} + \frac{7}{5} = \frac{22}{5}$

$\frac{4}{5} + \frac{1}{5} = \frac{5}{5}$ / $\frac{9}{5} + \frac{1}{5} = \frac{10}{5}$ / $\frac{6}{5} + \frac{1}{5} = \frac{7}{5}$ / $\frac{11}{5} + \frac{1}{5} = \frac{12}{5}$ / $\frac{15}{5} + \frac{1}{5} = \frac{16}{5}$

$\frac{4}{5} + \frac{17}{5} = \frac{21}{5}$ / $\frac{9}{5} + \frac{17}{5} = \frac{26}{5}$ / $\frac{6}{5} + \frac{17}{5} = \frac{23}{5}$ / $\frac{11}{5} + \frac{17}{5} = \frac{28}{5}$ / $\frac{15}{5} + \frac{17}{5} = \frac{32}{5}$

5. Übung 30. Januar 70

| 1) Echter Bruch: | Unechter Bruch: |
|---|---|
| $\frac{1}{2} = 0 \; (\frac{1}{2}) \; \frac{1}{2}$ | $\frac{3}{2} = 1 \; \frac{1}{2} \; \frac{3}{2}$ |
| $\frac{3}{4} = 0 \; (\frac{1}{4}) \; \frac{3}{4}$ | $\frac{7}{4} = 1 \; \frac{3}{4} \; \frac{7}{4}$ |
| $\frac{5}{8} = 0 \; (\frac{3}{8}) \; \frac{5}{8}$ | $\frac{8}{5} = 1 \; \frac{3}{5} \; \frac{8}{5}$ |
| $\frac{4}{5} = 0 \; (\frac{1}{5}) \; \frac{4}{5}$ | $\frac{12}{10} = 1 \; \frac{2}{10} \; \frac{12}{10}$ |

1.) Echter Bruch

Der Nenner ist größer als der Zähler

Beispiele:

$\frac{3}{5}$ $\frac{7}{10}$ $\frac{3}{4}$ $\frac{4}{5}$ $\frac{5}{8}$ $\frac{1}{2}$

2.) Beim echten Bruch gibt es nie Ganze! 0 Ganze

3.) Unechter Bruch:

Zähler ist großer als Nenner.

Beispiele:

$\frac{6}{4}$ $\frac{8}{5}$ $\frac{7}{5}$ $\frac{8}{2}$ $\frac{7}{5}$ $\frac{9}{5}$ $\frac{11}{10}$

4.) Beim unechten Bruch gibt es immer Ganze!

5.) Im unechten Bruch sind immer Ganze "versteckt"

Wenn ich die Ganzen herausrechne, bleibt ein Rest!

6. Wenn ich einen unechten Bruch verwandle, bekomme ich Ganze und einen Bruch; ich nenne das eine Gemischte Zahl

6.2.

$\frac{5}{2} = 2\frac{1}{2}$ $\frac{10}{4} = 2\frac{2}{4}$ $\frac{14}{5} = 2\frac{4}{5}$

28. Hausaufgabe wir rechnen mit Zehnteln 30. Jan

$2 = \frac{20}{10}$ / $6 = \frac{60}{10}$ / $9 = \frac{90}{10}$ / $11 = \frac{110}{10}$ / $13 = \frac{130}{10}$ / $18 = \frac{180}{10}$ / $20 = \frac{200}{10}$

$\frac{30}{10} = 3$ / $\frac{70}{10} = 7$ / $\frac{110}{10} = 11$ / $\frac{50}{10} = 5$ / $\frac{80}{10} = 8$ / $\frac{200}{10} = 20$ / $\frac{170}{10} = 17$

a) $\frac{9}{10} - \frac{5}{10} = \frac{4}{10}$ / $\frac{14}{10} - \frac{5}{10} = \frac{9}{10}$ / $\frac{17}{10} - \frac{5}{10} = \frac{12}{10}$ / $\frac{22}{10} - \frac{5}{10} = \frac{17}{10}$ / $\frac{40}{10} - \frac{5}{10} = \frac{35}{10}$

f) $\frac{9}{10} - \frac{4}{10} = \frac{5}{10}$ / $\frac{14}{10} - \frac{4}{10} = \frac{10}{10}$ / $\frac{17}{10} - \frac{4}{10} = \frac{13}{10}$ / $\frac{22}{10} - \frac{4}{10} = \frac{18}{10}$ / $\frac{40}{10} - \frac{4}{10} = \frac{36}{10}$

e) $\frac{9}{10} - \frac{6}{10} = \frac{3}{10}$ / $\frac{14}{10} - \frac{6}{10} = \frac{8}{10}$ / $\frac{17}{10} - \frac{6}{10} = \frac{11}{10}$ / $\frac{22}{10} - \frac{6}{10} = \frac{16}{10}$ / $\frac{40}{10} - \frac{6}{10} = \frac{34}{10}$

d) $\frac{13}{10} + \frac{10}{10} = \frac{23}{10}$ / $\frac{4}{10} + \frac{10}{10} = \frac{14}{10}$ / $\frac{27}{10} + \frac{10}{10} = \frac{37}{10}$ / $\frac{32}{10} + \frac{10}{10} = \frac{42}{10}$ / $\frac{8}{10} + \frac{10}{10} = \frac{18}{10}$

c) $\frac{13}{10} + \frac{3}{10} = \frac{16}{10}$ / $\frac{4}{10} + \frac{3}{10} = \frac{7}{10}$ / $\frac{27}{10} + \frac{3}{10} = \frac{30}{10}$ / $\frac{32}{10} + \frac{3}{10} = \frac{35}{10}$ / $\frac{8}{10} + \frac{3}{10} = \frac{11}{10}$

b) $\frac{13}{10} + \frac{12}{10} = \frac{25}{10}$ / $\frac{4}{10} + \frac{12}{10} = \frac{16}{10}$ / $\frac{27}{10} + \frac{12}{10} = \frac{39}{10}$ / $\frac{32}{10} + \frac{12}{10} = \frac{44}{10}$ / $\frac{8}{10} + \frac{12}{10} = \frac{20}{10}$

29. Hausaufgabe 2. Februar

$\frac{3}{2} = 1\frac{1}{2}$ $\frac{5}{4} = 1\frac{1}{4}$ $\frac{7}{4} = 1\frac{3}{4}$ $\frac{5}{2} = 2\frac{1}{2}$ $\frac{9}{2} = 4\frac{1}{2}$

$\frac{9}{4} = 2\frac{1}{4}$ $\frac{11}{4} = 2\frac{3}{4}$ $\frac{17}{4} = 4\frac{1}{4}$ $\frac{23}{4} = 5\frac{3}{4}$ $\frac{26}{4} = 5\frac{1}{4}$

$3\frac{5}{8} = \frac{29}{8}$ $1\frac{1}{8} = \frac{9}{8}$ $2\frac{3}{8} = \frac{19}{8}$ $4\frac{1}{8} = \frac{33}{8}$ $6\frac{7}{8} = \frac{55}{8}$

$5\frac{5}{8} = \frac{46}{8}$ $3\frac{1}{8} = \frac{25}{8}$ $4\frac{7}{8} = \frac{39}{8}$ $7\frac{3}{8} = \frac{59}{8}$

$\frac{11}{8} = 2\frac{3}{8}$ $\frac{17}{8} = 2\frac{1}{8}$ $\frac{19}{8} = 2\frac{3}{8}$ $\frac{27}{8} = 3\frac{3}{8}$ $\frac{35}{8} = 4\frac{3}{8}$

$\frac{39}{8} = 4\frac{7}{8}$ $\frac{57}{8} = 7\frac{1}{8}$

6. Übung 4. Februar

$2\frac{1}{10} = \frac{21}{10}$ $11\frac{1}{10} = \frac{111}{10}$ $6\frac{7}{10} = \frac{67}{10}$ $3\frac{7}{10} = \frac{37}{10}$ $5\frac{6}{10} = \frac{56}{10}$ $4\frac{9}{10} = \frac{49}{10}$

$7\frac{4}{10} = \frac{74}{10}$

$\frac{12}{10} = 1\frac{2}{10}$ $\frac{18}{10} = 1\frac{8}{10}$ $\frac{21}{10} = 2\frac{1}{10}$ $\frac{29}{10} = 2\frac{9}{10}$ $\frac{32}{10} = 3\frac{2}{10}$ $\frac{35}{10} = 3\frac{5}{10}$

$\frac{17}{10} = 4\frac{7}{10}$ $\frac{56}{10} = 5\frac{6}{10}$

$\frac{7}{2} = 3\frac{1}{2}$ $\frac{15}{4} = 3\frac{3}{4}$ $\frac{14}{10} = 3\frac{2}{4}$ $\frac{21}{10} = 2\frac{1}{10}$ $\frac{19}{4} = 4\frac{3}{4}$ $\frac{27}{4} = 6\frac{3}{4}$

$\frac{36}{8} = 4\frac{4}{8}$ $\frac{48}{5} = 9\frac{3}{5}$ $\frac{57}{10} = 5\frac{2}{10}$ $\frac{57}{8} = 7\frac{1}{8}$

$1\frac{1}{2} = \frac{3}{2}$ $2\frac{3}{4} = \frac{11}{4}$ $1\frac{1}{5} = \frac{6}{5}$ $2\frac{3}{10} = \frac{23}{10}$ $3\frac{1}{2} = \frac{7}{2}$ $3\frac{3}{4} = \frac{15}{4}$

$5\frac{1}{8} = \frac{41}{8}$ $4\frac{7}{10} = \frac{47}{10}$ $3\frac{9}{10} = \frac{39}{10}$ $2\frac{4}{5} = \frac{14}{5}$

30. Hausaufgabe 3. Feb.

$\frac{3}{4} + \frac{3}{4} = 1\frac{1}{2} + \frac{3}{4} = 2\frac{1}{4} + \frac{3}{4} = 3 + \frac{3}{4} = 3\frac{3}{4} + \frac{3}{4} = 4\frac{1}{2} + \frac{3}{4} =$

$5\frac{1}{4} + \frac{3}{4} = 6 + \frac{3}{4} = 6\frac{3}{4} + \frac{3}{4} = 7\frac{1}{2}$

Reihen!

a) $1\frac{3}{8}$ $1\frac{5}{8}$ $1\frac{7}{8}$ $2\frac{1}{8}$ $2\frac{3}{8}$ $2\frac{5}{8}$ $2\frac{7}{8}$ $3\frac{1}{8}$ $3\frac{3}{8}$

$3\frac{5}{8}$ $3\frac{7}{8}$

b) $1\frac{1}{5}$ $1\frac{3}{5}$ $2$ $2\frac{2}{5}$ $2\frac{4}{5}$ $3\frac{1}{5}$ $3\frac{3}{5}$ $4$ $4\frac{2}{5}$ $4\frac{4}{5}$ $5\frac{1}{5}$

c) $10\frac{1}{4}$ $9\frac{2}{4}$ $8\frac{3}{4}$ $8$ $7\frac{1}{4}$ $6\frac{2}{4}$ $5\frac{3}{4}$ $5$ $4\frac{1}{4}$ $3\frac{2}{4}$

$2\frac{3}{4}$ $2$ $1\frac{1}{4}$ $\frac{1}{2}$

d) $5\frac{3}{10}$ $5\frac{1}{10}$ $4\frac{9}{10}$ $4\frac{7}{10}$ $4\frac{5}{10}$ $4\frac{3}{10}$ $4\frac{1}{10}$ $3\frac{9}{10}$ $3\frac{7}{10}$ $3\frac{5}{10}$

$3\frac{3}{10}$ $3\frac{1}{10}$ $2\frac{9}{10}$ $2\frac{7}{10}$ $2\frac{5}{10}$ $2\frac{3}{10}$ $2\frac{1}{10}$ $1\frac{9}{10}$ $1\frac{7}{10}$ $1\frac{5}{10}$

$1\frac{3}{10}$ $1\frac{1}{10}$ $\frac{9}{10}$ $\frac{7}{10}$ $\frac{5}{10}$ $\frac{3}{10}$ $\frac{1}{10}$