

Mental math — Make round numbers

Name: _____

Date: _____



1 $18 + 70 + 82 = \underline{170}$

3 $852 - 84 - 16 = \underline{\hspace{2cm}}$

5 $52 + 36 + 48 = \underline{\hspace{2cm}}$

7 $367 - 89 - 11 = \underline{\hspace{2cm}}$

9 $778 - 26 - 74 = \underline{\hspace{2cm}}$

11 $69 + 57 + 31 = \underline{\hspace{2cm}}$

13 $68 + 20 + 32 = \underline{\hspace{2cm}}$

15 $39 + 87 + 61 = \underline{\hspace{2cm}}$

17 $81 + 45 + 19 = \underline{\hspace{2cm}}$

19 $375 - 75 - 25 = \underline{\hspace{2cm}}$

21 $55 + 71 + 45 = \underline{\hspace{2cm}}$

23 $171 - 57 - 43 = \underline{\hspace{2cm}}$

25 $656 - 52 - 48 = \underline{\hspace{2cm}}$

27 $12 + 76 + 88 = \underline{\hspace{2cm}}$

29 $57 + 69 + 43 = \underline{\hspace{2cm}}$

2 $807 - 69 - 31 = \underline{\hspace{2cm}}$

4 $84 + 80 + 16 = \underline{\hspace{2cm}}$

6 $428 - 76 - 24 = \underline{\hspace{2cm}}$

8 $46 + 42 + 54 = \underline{\hspace{2cm}}$

10 $346 - 32 - 68 = \underline{\hspace{2cm}}$

12 $823 - 41 - 59 = \underline{\hspace{2cm}}$

14 $534 - 78 - 22 = \underline{\hspace{2cm}}$

16 $558 - 36 - 64 = \underline{\hspace{2cm}}$

18 $444 - 48 - 52 = \underline{\hspace{2cm}}$

20 $26 + 62 + 74 = \underline{\hspace{2cm}}$

22 $59 + 67 + 41 = \underline{\hspace{2cm}}$

24 $208 - 86 - 14 = \underline{\hspace{2cm}}$

26 $67 + 59 + 33 = \underline{\hspace{2cm}}$

28 $248 - 16 - 84 = \underline{\hspace{2cm}}$

30 $28 + 60 + 72 = \underline{\hspace{2cm}}$



Mental math — Round and adjust (+ -)



Name: _____

Date: _____

1 $715 - 102 = \underline{613}$

2 $199 + 399 = \underline{\quad}$

3 $721 - 99 = \underline{\quad}$

4 $534 - 98 = \underline{\quad}$

5 $98 + 99 = \underline{\quad}$

6 $98 + 399 = \underline{\quad}$

7 $725 + 299 = \underline{\quad}$

8 $98 + 499 = \underline{\quad}$

9 $99 + 197 = \underline{\quad}$

10 $198 + 199 = \underline{\quad}$

11 $699 + 198 = \underline{\quad}$

12 $99 + 399 = \underline{\quad}$

13 $130 + 198 = \underline{\quad}$

14 $298 + 399 = \underline{\quad}$

15 $198 + 499 = \underline{\quad}$

16 $621 + 99 = \underline{\quad}$

17 $553 - 298 = \underline{\quad}$

18 $628 + 198 = \underline{\quad}$

19 $402 + 102 = \underline{\quad}$

20 $650 - 99 = \underline{\quad}$

21 $1106 - 399 = \underline{\quad}$

22 $766 - 298 = \underline{\quad}$

23 $676 - 98 = \underline{\quad}$

24 $912 - 201 = \underline{\quad}$

25 $408 + 99 = \underline{\quad}$

26 $576 + 98 = \underline{\quad}$

27 $292 + 98 = \underline{\quad}$

28 $695 - 298 = \underline{\quad}$

29 $744 + 199 = \underline{\quad}$

30 $97 + 499 = \underline{\quad}$



Mental math — Friendly pairs (×)

Name: _____

Date: _____



1 $5 \times 14 = \underline{70}$

3 $125 \times 15 \times 8 = \underline{\hspace{2cm}}$

5 $5 \times 8 = \underline{\hspace{2cm}}$

7 $125 \times 24 = \underline{\hspace{2cm}}$

9 $25 \times 25 \times 8 = \underline{\hspace{2cm}}$

11 $25 \times 20 = \underline{\hspace{2cm}}$

13 $25 \times 48 = \underline{\hspace{2cm}}$

15 $125 \times 48 = \underline{\hspace{2cm}}$

17 $125 \times 13 \times 8 = \underline{\hspace{2cm}}$

19 $25 \times 28 = \underline{\hspace{2cm}}$

21 $125 \times 72 = \underline{\hspace{2cm}}$

23 $25 \times 14 \times 4 = \underline{\hspace{2cm}}$

25 $25 \times 3 \times 4 = \underline{\hspace{2cm}}$

27 $5 \times 29 \times 2 = \underline{\hspace{2cm}}$

29 $125 \times 19 \times 8 = \underline{\hspace{2cm}}$

2 $125 \times 40 = \underline{\hspace{2cm}}$

4 $25 \times 18 \times 4 = \underline{\hspace{2cm}}$

6 $125 \times 88 = \underline{\hspace{2cm}}$

8 $125 \times 56 = \underline{\hspace{2cm}}$

10 $50 \times 7 \times 2 = \underline{\hspace{2cm}}$

12 $25 \times 26 \times 8 = \underline{\hspace{2cm}}$

14 $50 \times 3 \times 2 = \underline{\hspace{2cm}}$

16 $5 \times 18 = \underline{\hspace{2cm}}$

18 $5 \times 4 = \underline{\hspace{2cm}}$

20 $25 \times 6 \times 8 = \underline{\hspace{2cm}}$

22 $50 \times 25 \times 2 = \underline{\hspace{2cm}}$

24 $125 \times 28 \times 8 = \underline{\hspace{2cm}}$

26 $5 \times 24 = \underline{\hspace{2cm}}$

28 $5 \times 10 = \underline{\hspace{2cm}}$

30 $25 \times 22 \times 8 = \underline{\hspace{2cm}}$



Mental math — Round and adjust (×)



Name: _____

Date: _____

1 $99 \times 9 = \underline{891}$

2 $49 \times 4 = \underline{\quad}$

3 $4 \times 99 = \underline{\quad}$

4 $9 \times 98 = \underline{\quad}$

5 $12 \times 9 = \underline{\quad}$

6 $4 \times 29 = \underline{\quad}$

7 $5 \times 98 = \underline{\quad}$

8 $5 \times 101 = \underline{\quad}$

9 $49 \times 12 = \underline{\quad}$

10 $101 \times 4 = \underline{\quad}$

11 $8 \times 21 = \underline{\quad}$

12 $9 \times 101 = \underline{\quad}$

13 $6 \times 999 = \underline{\quad}$

14 $101 \times 6 = \underline{\quad}$

15 $19 \times 6 = \underline{\quad}$

16 $999 \times 7 = \underline{\quad}$

17 $9 \times 49 = \underline{\quad}$

18 $102 \times 7 = \underline{\quad}$

19 $36 \times 102 = \underline{\quad}$

20 $101 \times 23 = \underline{\quad}$

21 $3 \times 19 = \underline{\quad}$

22 $101 \times 36 = \underline{\quad}$

23 $51 \times 6 = \underline{\quad}$

24 $21 \times 9 = \underline{\quad}$

25 $9 \times 11 = \underline{\quad}$

26 $4 \times 21 = \underline{\quad}$

27 $4 \times 102 = \underline{\quad}$

28 $12 \times 99 = \underline{\quad}$

29 $23 \times 102 = \underline{\quad}$

30 $99 \times 15 = \underline{\quad}$



Mental math — Split and combine



Name: _____

Date: _____

1 $37 \times 7 + 63 \times 7 = \underline{700}$

2 $31 \times 12 + 69 \times 12 = \underline{\quad}$

3 $87 \times 12 - 37 \times 12 = \underline{\quad}$

4 $85 \times 4 + 15 \times 4 = \underline{\quad}$

5 $16 \times 17 = \underline{\quad}$

6 $69 \times 9 - 19 \times 9 = \underline{\quad}$

7 $37 \times 12 + 63 \times 12 = \underline{\quad}$

8 $73 \times 6 + 27 \times 6 = \underline{\quad}$

9 $73 \times 7 - 23 \times 7 = \underline{\quad}$

10 $61 \times 7 - 11 \times 7 = \underline{\quad}$

11 $15 \times 23 = \underline{\quad}$

12 $87 \times 4 - 37 \times 4 = \underline{\quad}$

13 $11 \times 12 = \underline{\quad}$

14 $79 \times 4 + 21 \times 4 = \underline{\quad}$

15 $25 \times 14 = \underline{\quad}$

16 $16 \times 18 = \underline{\quad}$

17 $63 \times 6 - 13 \times 6 = \underline{\quad}$

18 $15 \times 17 = \underline{\quad}$

19 $12 \times 23 = \underline{\quad}$

20 $79 \times 9 - 29 \times 9 = \underline{\quad}$

21 $45 \times 17 = \underline{\quad}$

22 $15 \times 12 = \underline{\quad}$

23 $35 \times 17 = \underline{\quad}$

24 $61 \times 12 - 11 \times 12 = \underline{\quad}$

25 $31 \times 9 + 69 \times 9 = \underline{\quad}$

26 $13 \times 7 + 87 \times 7 = \underline{\quad}$

27 $49 \times 7 + 51 \times 7 = \underline{\quad}$

28 $63 \times 9 - 13 \times 9 = \underline{\quad}$

29 $55 \times 7 + 45 \times 7 = \underline{\quad}$

30 $93 \times 6 - 43 \times 6 = \underline{\quad}$



Mental math — Divide in steps

Name: _____

Date: _____



1 $725 \div 5 = \underline{145}$

3 $508 \div 4 = \underline{\quad}$

5 $455 \div 5 = \underline{\quad}$

7 $428 \div 4 = \underline{\quad}$

9 $2375 \div 25 = \underline{\quad}$

11 $3000 \div 125 \div 8 = \underline{\quad}$

13 $868 \div 4 = \underline{\quad}$

15 $125 \div 5 = \underline{\quad}$

17 $308 \div 4 = \underline{\quad}$

19 $515 \div 5 = \underline{\quad}$

21 $545 \div 5 = \underline{\quad}$

23 $575 \div 25 = \underline{\quad}$

25 $1300 \div 25 \div 4 = \underline{\quad}$

27 $228 \div 4 = \underline{\quad}$

29 $388 \div 4 = \underline{\quad}$

2 $170 \div 5 \div 2 = \underline{\quad}$

4 $9000 \div 125 \div 8 = \underline{\quad}$

6 $700 \div 25 \div 4 = \underline{\quad}$

8 $1075 \div 25 = \underline{\quad}$

10 $1675 \div 25 = \underline{\quad}$

12 $1475 \div 25 = \underline{\quad}$

14 $2475 \div 25 = \underline{\quad}$

16 $40 \div 5 \div 2 = \underline{\quad}$

18 $175 \div 25 = \underline{\quad}$

20 $875 \div 25 = \underline{\quad}$

22 $180 \div 5 \div 2 = \underline{\quad}$

24 $65 \div 5 = \underline{\quad}$

26 $11000 \div 125 \div 8 = \underline{\quad}$

28 $185 \div 5 = \underline{\quad}$

30 $268 \div 4 = \underline{\quad}$



Mental math — Mixed strategies

Name: _____

Date: _____



1 $99 \times 7 = \underline{693}$

3 $669 - 299 = \underline{\quad}$

5 $198 + 199 = \underline{\quad}$

7 $67 \times 12 - 17 \times 12 = \underline{\quad}$

9 $85 \times 8 + 15 \times 8 = \underline{\quad}$

11 $600 \div 25 \div 4 = \underline{\quad}$

13 $25 \times 14 = \underline{\quad}$

15 $1075 \div 25 = \underline{\quad}$

17 $108 \div 4 = \underline{\quad}$

19 $155 - 85 - 15 = \underline{\quad}$

21 $61 \times 4 - 11 \times 4 = \underline{\quad}$

23 $11 \times 18 = \underline{\quad}$

25 $29 \times 3 = \underline{\quad}$

27 $125 \times 4 \times 8 = \underline{\quad}$

29 $5 \times 12 = \underline{\quad}$

2 $101 \times 23 = \underline{\quad}$

4 $628 \div 4 = \underline{\quad}$

6 $25 \times 17 \times 4 = \underline{\quad}$

8 $199 + 499 = \underline{\quad}$

10 $686 + 102 = \underline{\quad}$

12 $68 + 20 + 32 = \underline{\quad}$

14 $335 \div 5 = \underline{\quad}$

16 $815 \div 5 = \underline{\quad}$

18 $78 + 86 + 22 = \underline{\quad}$

20 $660 - 199 = \underline{\quad}$

22 $19 \times 4 + 81 \times 4 = \underline{\quad}$

24 $338 - 46 - 54 = \underline{\quad}$

26 $6 \times 21 = \underline{\quad}$

28 $475 \div 25 = \underline{\quad}$

30 $305 + 101 = \underline{\quad}$



Power Pack · Mental math drill — Answer key



Make 100 (+ -)

- | | | | |
|---|---|---|---|
| 1. $18 + 70 + 82 = (18 + 82) + 70 = 100 + 70 = 170$ | 2. $807 - 69 - 31 = 807 - (69 + 31) = 807 - 100 = 707$ | 3. $852 - 84 - 16 = 852 - (84 + 16) = 852 - 100 = 752$ | 4. $84 + 80 + 16 = (84 + 16) + 80 = 100 + 80 = 180$ |
| 5. $52 + 36 + 48 = (52 + 48) + 36 = 100 + 36 = 136$ | 6. $428 - 76 - 24 = 428 - (76 + 24) = 428 - 100 = 328$ | 7. $367 - 89 - 11 = 367 - (89 + 11) = 367 - 100 = 267$ | 8. $46 + 42 + 54 = (46 + 54) + 42 = 100 + 42 = 142$ |
| 9. $778 - 26 - 74 = 778 - (26 + 74) = 778 - 100 = 678$ | 10. $346 - 32 - 68 = 346 - (32 + 68) = 346 - 100 = 246$ | 11. $69 + 57 + 31 = (69 + 31) + 57 = 100 + 57 = 157$ | 12. $823 - 41 - 59 = 823 - (41 + 59) = 823 - 100 = 723$ |
| 13. $68 + 20 + 32 = (68 + 32) + 20 = 100 + 20 = 120$ | 14. $534 - 78 - 22 = 534 - (78 + 22) = 534 - 100 = 434$ | 15. $39 + 87 + 61 = (39 + 61) + 87 = 100 + 87 = 187$ | 16. $558 - 36 - 64 = 558 - (36 + 64) = 558 - 100 = 458$ |
| 17. $81 + 45 + 19 = (81 + 19) + 45 = 100 + 45 = 145$ | 18. $444 - 48 - 52 = 444 - (48 + 52) = 444 - 100 = 344$ | 19. $375 - 75 - 25 = 375 - (75 + 25) = 375 - 100 = 275$ | 20. $26 + 62 + 74 = (26 + 74) + 62 = 100 + 62 = 162$ |
| 21. $55 + 71 + 45 = (55 + 45) + 71 = 100 + 71 = 171$ | 22. $59 + 67 + 41 = (59 + 41) + 67 = 100 + 67 = 167$ | 23. $171 - 57 - 43 = 171 - (57 + 43) = 171 - 100 = 71$ | 24. $208 - 86 - 14 = 208 - (86 + 14) = 208 - 100 = 108$ |
| 25. $656 - 52 - 48 = 656 - (52 + 48) = 656 - 100 = 556$ | 26. $67 + 59 + 33 = (67 + 33) + 59 = 100 + 59 = 159$ | 27. $12 + 76 + 88 = (12 + 88) + 76 = 100 + 76 = 176$ | 28. $248 - 16 - 84 = 248 - (16 + 84) = 248 - 100 = 148$ |
| 29. $57 + 69 + 43 = (57 + 43) + 69 = 100 + 69 = 169$ | 30. $28 + 60 + 72 = (28 + 72) + 60 = 100 + 60 = 160$ | | |

Round and adjust (+ -)

- | | | | |
|--|--|--|---|
| 1. $715 - 102 = 715 - 100 - 2 = 615 - 2 = 613$ | 2. $199 + 399 = 200 + 400 - 1 - 1 = 600 - 2 = 598$ | 3. $721 - 99 = 721 - 100 + 1 = 621 + 1 = 622$ | 4. $534 - 98 = 534 - 100 + 2 = 434 + 2 = 436$ |
| 5. $98 + 99 = 100 + 100 - 2 - 1 = 200 - 3 = 197$ | 6. $98 + 399 = 100 + 400 - 2 - 1 = 500 - 3 = 497$ | 7. $725 + 299 = 725 + 300 - 1 = 1025 - 1 = 1024$ | 8. $98 + 499 = 100 + 500 - 2 - 1 = 600 - 3 = 597$ |

Power Pack · Mental math drill — Answer key



Round and adjust (+ -)

9. $99 + 197 = 100 + 200 - 1 - 3 = 300 - 4 = 296$

10. $198 + 199 = 200 + 200 - 2 - 1 = 400 - 3 = 397$

11. $699 + 198 = 699 + 200 - 2 = 899 - 2 = 897$

12. $99 + 399 = 100 + 400 - 1 - 1 = 500 - 2 = 498$

13. $130 + 198 = 130 + 200 - 2 = 330 - 2 = 328$

14. $298 + 399 = 300 + 400 - 2 - 1 = 700 - 3 = 697$

15. $198 + 499 = 200 + 500 - 2 - 1 = 700 - 3 = 697$

16. $621 + 99 = 621 + 100 - 1 = 721 - 1 = 720$

17. $553 - 298 = 553 - 300 + 2 = 253 + 2 = 255$

18. $628 + 198 = 628 + 200 - 2 = 828 - 2 = 826$

19. $402 + 102 = 402 + 100 + 2 = 502 + 2 = 504$

20. $650 - 99 = 650 - 100 + 1 = 550 + 1 = 551$

21. $1106 - 399 = 1106 - 400 + 1 = 706 + 1 = 707$

22. $766 - 298 = 766 - 300 + 2 = 466 + 2 = 468$

23. $676 - 98 = 676 - 100 + 2 = 576 + 2 = 578$

24. $912 - 201 = 912 - 200 - 1 = 712 - 1 = 711$

25. $408 + 99 = 408 + 100 - 1 = 508 - 1 = 507$

26. $576 + 98 = 576 + 100 - 2 = 676 - 2 = 674$

27. $292 + 98 = 292 + 100 - 2 = 392 - 2 = 390$

28. $695 - 298 = 695 - 300 + 2 = 395 + 2 = 397$

29. $744 + 199 = 744 + 200 - 1 = 944 - 1 = 943$

30. $97 + 499 = 100 + 500 - 3 - 1 = 600 - 4 = 596$

Friendly pairs (×)

1. $5 \times 14 = 5 \times 2 \times 7 = 10 \times 7 = 70$

2. $125 \times 40 = 125 \times 8 \times 5 = 1000 \times 5 = 5000$

3. $125 \times 15 \times 8 = 125 \times 8 \times 15 = 1000 \times 15 = 15000$

4. $25 \times 18 \times 4 = 25 \times 4 \times 18 = 100 \times 18 = 1800$

5. $5 \times 8 = 5 \times 2 \times 4 = 10 \times 4 = 40$

6. $125 \times 88 = 125 \times 8 \times 11 = 1000 \times 11 = 11000$

7. $125 \times 24 = 125 \times 8 \times 3 = 1000 \times 3 = 3000$

8. $125 \times 56 = 125 \times 8 \times 7 = 1000 \times 7 = 7000$

9. $25 \times 25 \times 8 = 25 \times 8 \times 25 = 200 \times 25 = 5000$

10. $50 \times 7 \times 2 = 50 \times 2 \times 7 = 100 \times 7 = 700$

11. $25 \times 20 = 25 \times 4 \times 5 = 100 \times 5 = 500$

12. $25 \times 26 \times 8 = 25 \times 8 \times 26 = 200 \times 26 = 5200$

13. $25 \times 48 = 25 \times 4 \times 12 = 100 \times 12 = 1200$

14. $50 \times 3 \times 2 = 50 \times 2 \times 3 = 100 \times 3 = 300$

15. $125 \times 48 = 125 \times 8 \times 6 = 1000 \times 6 = 6000$

16. $5 \times 18 = 5 \times 2 \times 9 = 10 \times 9 = 90$

17. $125 \times 13 \times 8 = 125 \times 8 \times 13 = 1000 \times 13 = 13000$

18. $5 \times 4 = 5 \times 2 \times 2 = 10 \times 2 = 20$

19. $25 \times 28 = 25 \times 4 \times 7 = 100 \times 7 = 700$

20. $25 \times 6 \times 8 = 25 \times 8 \times 6 = 200 \times 6 = 1200$

21. $125 \times 72 = 125 \times 8 \times 9 = 1000 \times 9 = 9000$

22. $50 \times 25 \times 2 = 50 \times 2 \times 25 = 100 \times 25 = 2500$

23. $25 \times 14 \times 4 = 25 \times 4 \times 14 = 100 \times 14 = 1400$

24. $125 \times 28 \times 8 = 125 \times 8 \times 28 = 1000 \times 28 = 28000$

Power Pack · Mental math drill — Answer key



Friendly pairs (×)

25. $25 \times 3 \times 4 = 25 \times 4 \times 3 = 100 \times 3 = 300$
26. $5 \times 24 = 5 \times 2 \times 12 = 10 \times 12 = 120$
27. $5 \times 29 \times 2 = 5 \times 2 \times 29 = 10 \times 29 = 290$
28. $5 \times 10 = 5 \times 2 \times 5 = 10 \times 5 = 50$
29. $125 \times 19 \times 8 = 125 \times 8 \times 19 = 1000 \times 19 = 19000$
30. $25 \times 22 \times 8 = 25 \times 8 \times 22 = 200 \times 22 = 4400$

Round and adjust (×)

1. $99 \times 9 = (100 - 1) \times 9 = 900 - 9 = 891$
2. $49 \times 4 = (50 - 1) \times 4 = 200 - 4 = 196$
3. $4 \times 99 = 4 \times (100 - 1) = 400 - 4 = 396$
4. $9 \times 98 = 9 \times (100 - 2) = 900 - 18 = 882$
5. $12 \times 9 = 12 \times (10 - 1) = 120 - 12 = 108$
6. $4 \times 29 = 4 \times (30 - 1) = 120 - 4 = 116$
7. $5 \times 98 = 5 \times (100 - 2) = 500 - 10 = 490$
8. $5 \times 101 = 5 \times (100 + 1) = 500 + 5 = 505$
9. $49 \times 12 = (50 - 1) \times 12 = 600 - 12 = 588$
10. $101 \times 4 = (100 + 1) \times 4 = 400 + 4 = 404$
11. $8 \times 21 = 8 \times (20 + 1) = 160 + 8 = 168$
12. $9 \times 101 = 9 \times (100 + 1) = 900 + 9 = 909$
13. $6 \times 999 = 6 \times (1000 - 1) = 6000 - 6 = 5994$
14. $101 \times 6 = (100 + 1) \times 6 = 600 + 6 = 606$
15. $19 \times 6 = (20 - 1) \times 6 = 120 - 6 = 114$
16. $999 \times 7 = (1000 - 1) \times 7 = 7000 - 7 = 6993$
17. $9 \times 49 = 9 \times (50 - 1) = 450 - 9 = 441$
18. $102 \times 7 = (100 + 2) \times 7 = 700 + 14 = 714$
19. $36 \times 102 = 36 \times (100 + 2) = 3600 + 72 = 3672$
20. $101 \times 23 = (100 + 1) \times 23 = 2300 + 23 = 2323$
21. $3 \times 19 = 3 \times (20 - 1) = 60 - 3 = 57$
22. $101 \times 36 = (100 + 1) \times 36 = 3600 + 36 = 3636$
23. $51 \times 6 = (50 + 1) \times 6 = 300 + 6 = 306$
24. $21 \times 9 = (20 + 1) \times 9 = 180 + 9 = 189$
25. $9 \times 11 = 9 \times (10 + 1) = 90 + 9 = 99$
26. $4 \times 21 = 4 \times (20 + 1) = 80 + 4 = 84$
27. $4 \times 102 = 4 \times (100 + 2) = 400 + 8 = 408$
28. $12 \times 99 = 12 \times (100 - 1) = 1200 - 12 = 1188$
29. $23 \times 102 = 23 \times (100 + 2) = 2300 + 46 = 2346$
30. $99 \times 15 = (100 - 1) \times 15 = 1500 - 15 = 1485$

Split and combine (×)

1. $37 \times 7 + 63 \times 7 = (37 + 63) \times 7 = 100 \times 7 = 700$
2. $31 \times 12 + 69 \times 12 = (31 + 69) \times 12 = 100 \times 12 = 1200$
3. $87 \times 12 - 37 \times 12 = (87 - 37) \times 12 = 50 \times 12 = 600$
4. $85 \times 4 + 15 \times 4 = (85 + 15) \times 4 = 100 \times 4 = 400$
5. $16 \times 17 = 16 \times 10 + 16 \times 7 = 160 + 112 = 272$
6. $69 \times 9 - 19 \times 9 = (69 - 19) \times 9 = 50 \times 9 = 450$
7. $37 \times 12 + 63 \times 12 = (37 + 63) \times 12 = 100 \times 12 = 1200$
8. $73 \times 6 + 27 \times 6 = (73 + 27) \times 6 = 100 \times 6 = 600$

Power Pack · Mental math drill — Answer key



Split and combine (×)

- | | | | |
|---|---|---|--|
| 9. $73 \times 7 - 23 \times 7 = (73 - 23) \times 7 = 50 \times 7 = 350$ | 10. $61 \times 7 - 11 \times 7 = (61 - 11) \times 7 = 50 \times 7 = 350$ | 11. $15 \times 23 = 15 \times 20 + 15 \times 3 = 300 + 45 = 345$ | 12. $87 \times 4 - 37 \times 4 = (87 - 37) \times 4 = 50 \times 4 = 200$ |
| 13. $11 \times 12 = 11 \times 10 + 11 \times 2 = 110 + 22 = 132$ | 14. $79 \times 4 + 21 \times 4 = (79 + 21) \times 4 = 100 \times 4 = 400$ | 15. $25 \times 14 = 25 \times 10 + 25 \times 4 = 250 + 100 = 350$ | 16. $16 \times 18 = 16 \times 10 + 16 \times 8 = 160 + 128 = 288$ |
| 17. $63 \times 6 - 13 \times 6 = (63 - 13) \times 6 = 50 \times 6 = 300$ | 18. $15 \times 17 = 15 \times 10 + 15 \times 7 = 150 + 105 = 255$ | 19. $12 \times 23 = 12 \times 20 + 12 \times 3 = 240 + 36 = 276$ | 20. $79 \times 9 - 29 \times 9 = (79 - 29) \times 9 = 50 \times 9 = 450$ |
| 21. $45 \times 17 = 45 \times 10 + 45 \times 7 = 450 + 315 = 765$ | 22. $15 \times 12 = 15 \times 10 + 15 \times 2 = 150 + 30 = 180$ | 23. $35 \times 17 = 35 \times 10 + 35 \times 7 = 350 + 245 = 595$ | 24. $61 \times 12 - 11 \times 12 = (61 - 11) \times 12 = 50 \times 12 = 600$ |
| 25. $31 \times 9 + 69 \times 9 = (31 + 69) \times 9 = 100 \times 9 = 900$ | 26. $13 \times 7 + 87 \times 7 = (13 + 87) \times 7 = 100 \times 7 = 700$ | 27. $49 \times 7 + 51 \times 7 = (49 + 51) \times 7 = 100 \times 7 = 700$ | 28. $63 \times 9 - 13 \times 9 = (63 - 13) \times 9 = 50 \times 9 = 450$ |
| 29. $55 \times 7 + 45 \times 7 = (55 + 45) \times 7 = 100 \times 7 = 700$ | 30. $93 \times 6 - 43 \times 6 = (93 - 43) \times 6 = 50 \times 6 = 300$ | | |

Divide in steps (÷)

- | | | | |
|---|---|--|---|
| 1. $725 \div 5 = 725 \div 2 \div 10 = 1450 \div 10 = 145$ | 2. $170 \div 5 \div 2 = 170 \div (5 \times 2) = 170 \div 10 = 17$ | 3. $508 \div 4 = 508 \div 2 \div 2 = 254 \div 2 = 127$ | 4. $9000 \div 125 \div 8 = 9000 \div (125 \times 8) = 9000 \div 1000 = 9$ |
| 5. $455 \div 5 = 455 \div 2 \div 10 = 910 \div 10 = 91$ | 6. $700 \div 25 \div 4 = 700 \div (25 \times 4) = 700 \div 100 = 7$ | 7. $428 \div 4 = 428 \div 2 \div 2 = 214 \div 2 = 107$ | 8. $1075 \div 25 = 1075 \div 4 \div 100 = 4300 \div 100 = 43$ |
| 9. $2375 \div 25 = 2375 \div 4 \div 100 = 9500 \div 100 = 95$ | 10. $1675 \div 25 = 1675 \div 4 \div 100 = 6700 \div 100 = 67$ | 11. $3000 \div 125 \div 8 = 3000 \div (125 \times 8) = 3000 \div 1000 = 3$ | 12. $1475 \div 25 = 1475 \div 4 \div 100 = 5900 \div 100 = 59$ |
| 13. $868 \div 4 = 868 \div 2 \div 2 = 434 \div 2 = 217$ | 14. $2475 \div 25 = 2475 \div 4 \div 100 = 9900 \div 100 = 99$ | 15. $125 \div 5 = 125 \div 2 \div 10 = 250 \div 10 = 25$ | 16. $40 \div 5 \div 2 = 40 \div (5 \times 2) = 40 \div 10 = 4$ |
| 17. $308 \div 4 = 308 \div 2 \div 2 = 154 \div 2 = 77$ | 18. $175 \div 25 = 175 \div 4 \div 100 = 700 \div 100 = 7$ | 19. $515 \div 5 = 515 \div 2 \div 10 = 1030 \div 10 = 103$ | 20. $875 \div 25 = 875 \div 4 \div 100 = 3500 \div 100 = 35$ |

Power Pack · Mental math drill — Answer key



Divide in steps (÷)

21. $545 \div 5 = 545 \times 2 \div 10 = 1090 \div 10 = 109$

22. $180 \div 5 \div 2 = 180 \div (5 \times 2) = 180 \div 10 = 18$

23. $575 \div 25 = 575 \times 4 \div 100 = 2300 \div 100 = 23$

24. $65 \div 5 = 65 \times 2 \div 10 = 130 \div 10 = 13$

25. $1300 \div 25 \div 4 = 1300 \div (25 \times 4) = 1300 \div 100 = 13$

26. $11000 \div 125 \div 8 = 11000 \div (125 \times 8) = 11000 \div 1000 = 11$

27. $228 \div 4 = 228 \div 2 \div 2 = 114 \div 2 = 57$

28. $185 \div 5 = 185 \times 2 \div 10 = 370 \div 10 = 37$

29. $388 \div 4 = 388 \div 2 \div 2 = 194 \div 2 = 97$

30. $268 \div 4 = 268 \div 2 \div 2 = 134 \div 2 = 67$

Mixed

1. $99 \times 7 = (100 - 1) \times 7 = 700 - 7 = 693$

2. $101 \times 23 = (100 + 1) \times 23 = 2300 + 23 = 2323$

3. $669 - 299 = 669 - 300 + 1 = 369 + 1 = 370$

4. $628 \div 4 = 628 \div 2 \div 2 = 314 \div 2 = 157$

5. $198 + 199 = 200 + 200 - 2 - 1 = 400 - 3 = 397$

6. $25 \times 17 \times 4 = 25 \times 4 \times 17 = 100 \times 17 = 1700$

7. $67 \times 12 - 17 \times 12 = (67 - 17) \times 12 = 50 \times 12 = 600$

8. $199 + 499 = 200 + 500 - 1 - 1 = 700 - 2 = 698$

9. $85 \times 8 + 15 \times 8 = (85 + 15) \times 8 = 100 \times 8 = 800$

10. $686 + 102 = 686 + 100 + 2 = 786 + 2 = 788$

11. $600 \div 25 \div 4 = 600 \div (25 \times 4) = 600 \div 100 = 6$

12. $68 + 20 + 32 = (68 + 32) + 20 = 100 + 20 = 120$

13. $25 \times 14 = 25 \times 10 + 25 \times 4 = 250 + 100 = 350$

14. $335 \div 5 = 335 \times 2 \div 10 = 670 \div 10 = 67$

15. $1075 \div 25 = 1075 \times 4 \div 100 = 4300 \div 100 = 43$

16. $815 \div 5 = 815 \times 2 \div 10 = 1630 \div 10 = 163$

17. $108 \div 4 = 108 \div 2 \div 2 = 54 \div 2 = 27$

18. $78 + 86 + 22 = (78 + 22) + 86 = 100 + 86 = 186$

19. $155 - 85 - 15 = 155 - (85 + 15) = 155 - 100 = 55$

20. $660 - 199 = 660 - 200 + 1 = 460 + 1 = 461$

21. $61 \times 4 - 11 \times 4 = (61 - 11) \times 4 = 50 \times 4 = 200$

22. $19 \times 4 + 81 \times 4 = (19 + 81) \times 4 = 100 \times 4 = 400$

23. $11 \times 18 = 11 \times 10 + 11 \times 8 = 110 + 88 = 198$

24. $338 - 46 - 54 = 338 - (46 + 54) = 338 - 100 = 238$

25. $29 \times 3 = (30 - 1) \times 3 = 90 - 3 = 87$

26. $6 \times 21 = 6 \times (20 + 1) = 120 + 6 = 126$

27. $125 \times 4 \times 8 = 125 \times 8 \times 4 = 1000 \times 4 = 4000$

28. $475 \div 25 = 475 \times 4 \div 100 = 1900 \div 100 = 19$

29. $5 \times 12 = 5 \times 2 \times 6 = 10 \times 6 = 60$

30. $305 + 101 = 305 + 100 + 1 = 405 + 1 = 406$