

LONG DIVISION WITHOUT REMAINDERS

ANSWERS - PAGE 1

HELPFUL EXAMPLE

$3 \overline{) 72}$

$\begin{array}{r} 2 \\ 3 \overline{) 72} \\ \underline{-6} \\ 12 \\ \underline{-12} \\ 00 \end{array}$

ANSWER

$3 \times 24 = 72$

$\begin{array}{r} 24 \\ 3 \overline{) 72} \\ \underline{-6} \\ 12 \\ \underline{-12} \\ 00 \end{array}$

3 GOES INTO 7 ONLY 2 TIMES, AND 2 TIMES 3 EQUALS 6.

THEN SUBTRACT 7 MINUS 6, WHICH EQUALS 1.

BRING DOWN THE 2 AND START OVER.

3 GOES INTO 12 EXACTLY 4 TIMES.

SUBTRACT 12 MINUS 12, WHICH EQUALS 0. WE'RE DONE!

DIVIDE.

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|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1. $2 \overline{) 78}$ | 2. $4 \overline{) 96}$ | 3. $5 \overline{) 85}$ | 4. $3 \overline{) 87}$ | 5. $6 \overline{) 96}$ |
| 39 | 24 | 17 | 29 | 16 |
| 6. $2 \overline{) 94}$ | 7. $3 \overline{) 72}$ | 8. $4 \overline{) 76}$ | 9. $2 \overline{) 86}$ | 10. $3 \overline{) 81}$ |
| 47 | 24 | 19 | 43 | 27 |
| 11. $3 \overline{) 105}$ | 12. $2 \overline{) 146}$ | 13. $5 \overline{) 145}$ | 14. $7 \overline{) 168}$ | 15. $4 \overline{) 152}$ |
| 35 | 73 | 29 | 24 | 38 |
| 16. $2 \overline{) 184}$ | 17. $5 \overline{) 350}$ | 18. $4 \overline{) 316}$ | 19. $8 \overline{) 296}$ | 20. $3 \overline{) 312}$ |
| 92 | 70 | 79 | 37 | 104 |
| 21. $6 \overline{) 690}$ | 22. $3 \overline{) 441}$ | 23. $2 \overline{) 458}$ | 24. $7 \overline{) 973}$ | 25. $5 \overline{) 815}$ |
| 115 | 147 | 229 | 139 | 163 |

LONG DIVISION WITH REMAINDERS

ANSWERS - PAGE 2

HELPFUL EXAMPLE

$2 \overline{) 47}$

$\begin{array}{r} 23 \\ 2 \overline{) 47} \\ \underline{-4} \\ 07 \\ \underline{-6} \\ 1 \end{array}$

$2 \times 23 = 46$. IF YOU ADD THE REMAINDER 1, YOU GET $46 + 1 = 47$.

$\begin{array}{r} 23 \text{ R } 1 \\ 2 \overline{) 47} \\ \underline{-4} \\ 07 \\ \underline{-6} \\ 1 \end{array}$

SOLVE THE SAME WAY YOU DID ON THE PREVIOUS PAGE.

DO YOU SEE HOW YOU STILL HAVE ONE LEFT WHEN YOU ARE DONE? THAT IS CALLED A REMAINDER.

DIVIDE.

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|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1. $2 \overline{) 83}$ | 2. $3 \overline{) 85}$ | 3. $7 \overline{) 99}$ | 4. $4 \overline{) 87}$ | 5. $5 \overline{) 87}$ |
| 41 R 1 | 27 R 4 | 14 R 1 | 21 R 3 | 17 R 2 |
| 6. $6 \overline{) 95}$ | 7. $2 \overline{) 57}$ | 8. $3 \overline{) 94}$ | 9. $2 \overline{) 73}$ | 10. $4 \overline{) 79}$ |
| 15 R 5 | 28 R 1 | 31 R 1 | 36 R 1 | 19 R 3 |
| 11. $2 \overline{) 131}$ | 12. $4 \overline{) 150}$ | 13. $7 \overline{) 167}$ | 14. $9 \overline{) 170}$ | 15. $5 \overline{) 128}$ |
| 65 R 1 | 37 R 2 | 23 R 6 | 18 R 8 | 25 R 3 |
| 16. $3 \overline{) 116}$ | 17. $6 \overline{) 166}$ | 18. $2 \overline{) 193}$ | 19. $4 \overline{) 234}$ | 20. $8 \overline{) 301}$ |
| 38 R 2 | 27 R 4 | 96 R 1 | 58 R 2 | 37 R 5 |
| 21. $5 \overline{) 424}$ | 22. $7 \overline{) 905}$ | 23. $4 \overline{) 871}$ | 24. $6 \overline{) 764}$ | 25. $2 \overline{) 573}$ |
| 84 R 4 | 129 R 2 | 217 R 3 | 127 R 2 | 286 R 1 |