

Division

Skill 4 - 13C

Dividing Three-digit Numbers by 6 and 7

STEP 1	STEP 2	STEP 3	STEP 4
Where do you place the first digit? $\begin{array}{r} 6 \overline{)368} \end{array}$ $3 < 6$ so you cannot divide the hundreds.	Divide 36 tens by 6. $\begin{array}{r} 6 \\ 6 \overline{)368} \\ - 36 \\ \hline 0 \end{array}$ Divide. Multiply. Subtract. Compare. $0 < 6$	Bring down the 8 ones and divide. $\begin{array}{r} 61 \text{ r}2 \\ 6 \overline{)368} \\ - 36 \downarrow \\ \hline 08 \\ - 6 \\ \hline 2 \end{array}$ Divide. Multiply. Subtract. Compare. $2 < 6$	Check. $\begin{array}{r} 61 \\ \times 6 \\ \hline 366 \\ + 2 \\ \hline 368 \end{array}$

$\begin{array}{r} 72 \text{ r}1 \\ 7 \overline{)505} \\ - 49 \downarrow \\ \hline 15 \\ - 14 \\ \hline 1 \end{array}$	Check $\begin{array}{r} 72 \\ \times 7 \\ \hline 504 \\ + 1 \\ \hline 505 \end{array}$	$\begin{array}{r} 322 \\ 7 \overline{)2,254} \\ - 21 \downarrow \\ \hline 15 \\ - 14 \downarrow \\ \hline 14 \\ - 14 \\ \hline 0 \end{array}$	Check $\begin{array}{r} 322 \\ \times 7 \\ \hline 2,254 \end{array}$	1. $6 \overline{)432}$	Check
2. $6 \overline{)870}$	Check	3. $7 \overline{)434}$	Check	4. $6 \overline{)728}$	Check
5. $7 \overline{)371}$	Check	6. $6 \overline{)145}$	Check	7. $7 \overline{)185}$	Check

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Directions: Divide and use multiplication to check your answer.

8. $7 \overline{)1,499}$	Check	9. $6 \overline{)170}$	Check	10. $7 \overline{)878}$	Check
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11. $6 \overline{)2,613}$	Check	12. $6 \overline{)1,984}$	Check	13. $7 \overline{)2,965}$	Check
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14. $6 \overline{)1,339}$	Check	15. $6 \overline{)765}$	Check	16. $7 \overline{)472}$	Check
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Directions: Divide and use multiplication to check your answer.

17. $6 \overline{)1,960}$	Check	18. $7 \overline{)4,566}$	Check	19. $7 \overline{)2,559}$	Check
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20. $6 \overline{)3,930}$	Check	21. $7 \overline{)3,664}$	Check	22. $7 \overline{)3,335}$	Check
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23. $7 \overline{)4,777}$	Check	24. $6 \overline{)4,930}$	Check	25. $7 \overline{)3,185}$	Check
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Answer Key
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				1. 72	Check 72 <u>x 6</u> 432
2. 145	 145 <u>x 6</u> 870	3. 62	 62 <u>x 7</u> 434	4. 121 r2	 121 <u>x 6</u> 726 <u>+ 2</u> 728
5. 53	 53 <u>x 7</u> 371	6. 24 r1	 24 <u>x 6</u> 144 <u>+ 1</u> 145	7. 26 r3	 26 <u>x 7</u> 182 <u>+ 3</u> 185
8. 214 r1	 214 <u>x 7</u> 1,498 <u>+ 1</u> 1,499	9. 28 r2	 28 <u>x 6</u> 168 <u>+ 2</u> 170	10. 125 r3	 125 <u>x 7</u> 875 <u>+ 3</u> 878
11. 435 r3	 435 <u>x 6</u> 2,610 <u>+ 3</u> 2,613	12. 330 r4	 330 <u>x 6</u> 1,980 <u>+ 4</u> 1,984	13. 423 r4	 423 <u>x 7</u> 2,961 <u>+ 4</u> 2,965
14. 223 r1	 223 <u>x 6</u> 1,338 <u>+ 1</u> 1,339	15. 330 r4	 330 <u>x 6</u> 1,980 <u>+ 4</u> 1,984	16. 67 r3	 67 <u>x 7</u> 469 <u>+ 3</u> 472
17. 326 r4	 326 <u>x 6</u> 1,956 <u>+ 4</u> 1,960	18. 652 r2	 652 <u>x 7</u> 4,564 <u>+ 2</u> 4,566	19. 365 r4	 365 <u>x 7</u> 2,555 <u>+ 4</u> 2,559
20. 655	 655 <u>x 6</u> 3930	21. 523 r3	 523 <u>x 7</u> 3,661 <u>+ 3</u> 3,664	22. 476 r3	 476 <u>x 7</u> 3,332 <u>+ 3</u> 3,335
23. 682 r3	 682 <u>x 7</u> 4,774 <u>+ 3</u> 4,777	24. 821 r4	 821 <u>x 6</u> 4,926 <u>+ 4</u> 4,930	25. 455	 455 <u>x 7</u> 3,185