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How to find a third of any number．Finding a third is the same as dividing by 3
Easily the most efficient way to divide big numbers by 3 is to use the fast long division standard form shown below．Once you have practiced and mastered this method you are set：Try chopping 59.4 into thirds：


1．Look at numbers that can be divided by 3 ，starting on the left．The＇ 5 ＇in the 10 s column can fit 13 with 2 left over．Put the＇ 1 ＇above on the answer line，
2．Put the leftover 2 beside the 9 to make 29
3． $29 \div \mathbf{3}=9 \mathrm{r} 2$ Put the＇ 9 ＇above on the answer line
4．Put the $r 1$ in the 10 ths column on the left of the 4 ，to make＇ 24 ＇
5． $24 \div \mathbf{3}=\mathbf{8}$ ．Put the＇ 8 ＇in the 10 ths place on the answer line－Answer： 19.8
You＇ve seen this before？
Yes，it＇s very much like the other types of division you know already－you can use the same idea with any fractions actually．So，let＇s have a go at finding a third of these interesting numbers．Keep your place value！
a．$3 \longdiv { 7 8 . 4 2 }$
b．$3 \longdiv { 1 0 . 3 9 }$
c．$3 \longdiv { 4 5 6 . 3 }$
d．$3 \longdiv { 2 . 9 1 6 }$
e．$3 \longdiv { 5 2 2 8 4 }$
f．$3 \longdiv { 3 9 6 6 3 }$
g．$3 \longdiv { 4 8 2 5 7 0 1 }$
h．$3 \longdiv { 3 1 . 6 8 }$
i．$3 \longdiv { 1 5 . 1 8 }$
j．$3 \longdiv { 6 5 . 3 7 }$
k．$3 \longdiv { 1 . 0 0 5 }$

All well and good，I hear you say，but what if I need 2 thirds of any number？Hmm，What then smarty pants？ Well，here is the good news：to find 2 thirds，all you have to do is double the answer to 1 third！E．g：

$$
782 \rightarrow \frac{1}{7} 82 \quad 2 / 3 \text { of So then, we can see that } 2 / 3 \text { of } 2346=1564
$$

$3 \longdiv { 2 \mathbf { 3 } ^ { 2 } 4 6 } = \frac { x \quad 2 } { 1 5 6 4 }$
（one third of 2346 is $782,782 \times 2=1564$ ）

Well，if it＇s that easy，we should all just try some then！Yes．Yes you should．
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I．Find $2 / 3$ of 99.6


II．Find $2 / 3$ of $7 1 . 4 3 \quad 3 \longdiv { 7 1 . 4 3 } \frac { x \quad 2 } { = }$

III．Find $2 / 3$ of 2.070 $3 \longdiv { 2 . 0 7 0 }$


Write out these ones in your maths book：
1．Find $2 / 3$ of 1683
2．Find $2 / 3$ of 37.374
3．Find $2 / 3$ of 7092
4．Find $2 / 3$ of 5.691
5．Find $2 / 3$ of 7404
6．Find $2 / 3$ of 77.037
7．Find $2 / 3$ of 2082
8．Find $2 / 3$ of 47.70
9．Find $2 / 3$ of 3702

