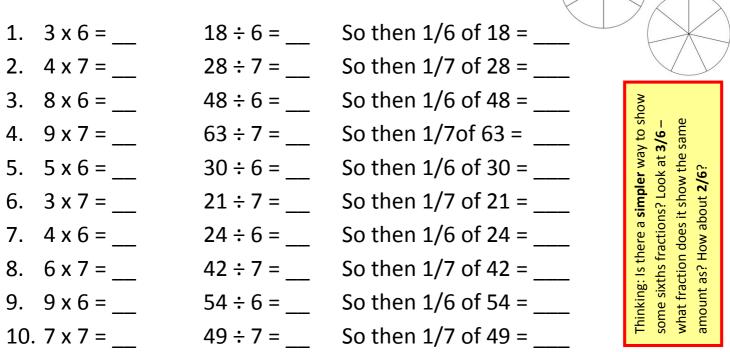
## Using 6ths & 7ths. Stg E6/6 props & rats Name: \_\_\_\_\_

OK, truth time. It's been long enough, you're not a baby anymore, someone has to tell you: The best way, without question, to learn how to find fractions of numbers is to learn and **remember** your **basic facts**. There you have it. So let's play with some fractions based on facts we already know.

#### E.g. 3 x 6 = 18. 18 ÷ 6 = 3. So then 1/6 of 18 = 3.



You just know it ain't gonna stop there. – To find **more than 1** somethingth of something, all you need to do is multiply!

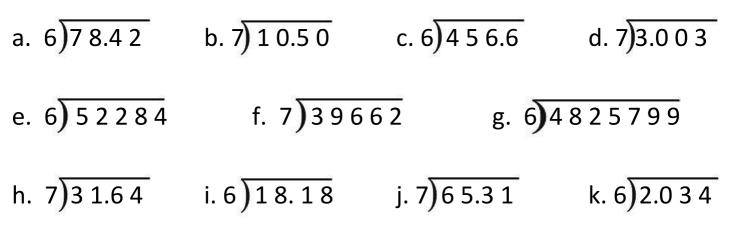
#### E.g. $18 \div 6 = 3$ . So then 1/6 of 18 = 3. So 2/6 of $18 = 6(2 \times 3)$ and 5/6 of $18 = 15(5 \times 3)$

11. 36 ÷ 6 =	So then 1/6 of 36 =	and 4/6 of 36 =
12. 56 ÷ 7 =	So then 1/7 of 56 =	and 5/7 of 56 =
13. 54 ÷ 6 =	So then 1/6 of 54 =	and 2/6 of 54 =
14. 28 ÷ 7 =	So then 1/7 of 28 =	and 6/7 of 28 =
15. 42 ÷ 6 =	So then 1/6 of 42 =	and 3/6 of 42 =
16. 49 ÷ 7 =	So then 1/7 of 49 =	and 4/7 of 49 =
17. 72 ÷ 6 =	So then 1/6 of 72 =	and 5/6 of 72 =
18. 84 ÷ 7 =	So then 1/7 of 84 =	and 3/7 of 84 =
19. 66 ÷ 6 =	So then 1/6 of 66 =	and 2/6 of 66 =
20. 35 ÷ 7 =	So then 1/7 of 35 =	and 6/7 of 35=

This week I hired an odd-job man to do 8 jobs around the house for me. When I got back, he'd only done jobs 1,3,5, and 7... OK, so I'm a teacher not a comedian.

### Using 6ths & 7ths. Stg E7/7 props & rats Name: \_

**How to find a sixth or seventh of any number.** Finding any unit fraction is the same as dividing – we can use standard form fast long division. So, let's have a go at finding a sixth or seventh of these interesting numbers. Remember to keep your place value, look out for decimals!



All well and good, I hear you say, but what if I need 2 sixths of any number? Or 5 sevenths? Well, there is a solution. To find 2 sixths for example, all you have to do is double the answer to 1 sixth! E.g:

 $\begin{array}{r} 3 \ 9 \ 1 \\ 6 \ \hline 2 \ 3^{5} \ 4 \ 6 \\ \hline = \ 7 \ 8 \ 2 \\ \hline = \ 7 \ 8 \ 2 \\ \hline \end{array}$ One sixth of 2346 is 391, 391 x 2 = 782 - to find 3 sixths simply multiply by 3, or 4 sixths - multiply by 4.

Now for the bit you've all been looking forward to... the nasty ones! - take your time!

I. Find 2/7 of 91.7 7)91.7 
$$x 2$$
  
II. Find 5/6 of 70.92 6)70.92  $x 5$   
III. Find 5/6 of 70.92 6)70.92  $x 5$   
III. Find 4/7 of 6.471 7)6.471  $x 4$   
IV. Find 3/7 of 6993 7)6993  $x 3$   
Stuck on the multiplication?  
Check out this video on You  
Tube:  
https://woutu.ba/3myNAdk6a4

# Write out these ones in your maths book:

- 1. Find 2/6 of 1680
- 2. Find 3/7 of 37.373
- 3. Find 4/6 of 7092
- 4. Find 2/7 of 5.684
- 5. Find 3/6 of 7404
- 6. Find 4/7 of 77.035
- 7. Find 2/6 of 1926
- 8. Find 3/7 of 47.67
- 9. Find 4/6 of 3702
- 10. Find 2/7 of 94.99

Useless factoid: To be "at **sixes and sevens**" is a British saying used to describe a state of confusion or disarray.