Using 5ths. Stg 5/E6 props & rats Name: _

Coming to grips with fifths is a great idea, they're quite handy and look good on the mantlepiece. They are reasonably easy to deal with too, because it's a similar skill to dividing by 5

Colour in these fractions: (Neatly please, not just a scribble. Or I'll bite you)



OK, this time without pictures: (Use the force Luke! Or, you can try counters if you get stuck) Remember, once you've worked out 1 fifth, just multiply that number by the numerator – the top number. For example: 1/5 of 55 = 11, so 2/5 of 55 must be 22 because $2 \times 11 = 22$, and so 4/5 of 55 = 44 because $4 \times 11 = 44$.

1. 1/5 of 10 =	2. 2/5 of 10 =	3. 3/5 of 10 =
4. 1/5 of 25 =	5. 3/5 of 25 =	6. 4/5 of 25 =
7. 1/5 of 50 =	8. 2/5 of 50 =	9. 3/5 of 50 =
10. 1/5 of 30 =	11. 3/5 of 30 =	12. 4/5 of 30 =
13. 1/5 of 35 =	14. 2/5 of 35 =	15. 3/5 of 35 =
16. 1/5 of 40 =	17. 3/5 of 40 =	18. 4/5 of 40 =
19. 1/5 of 60 =	20. 2/5 of 60 =	21. 4/5 of 60 =

'One fifth' in Te Reo Māori is *Kotahi haurima*. 'Two fifths' is *rua haurima*, 3/5 = toru haurima, 4/5 = whā haurima

Using 5ths.

Name:

Proper and improper fractions: Sometimes we deal with fractions that show more than 1 full set or whole. There are 2 ways to show these numbers. Take **six** fifths for example:

1. A proper fraction shows the whole, plus whatever is left over: $1\frac{1}{5} = \frac{6}{5}$

Stg 6 👝 props & rats

2. An improper fraction shows all of the parts in the numerator.

So all we need to know when we need to find out how many fifths are in a number, is how many fifths fit into 1 whole. (5 of them, duh) So let's try a few, after this sponsors message:

I bet you're wondering now, how do I turn fifths into decimals? Actually it's pretty easy. 1 ÷ 5 = 0.2,

SO every $\frac{1}{5} = 0.2$ – then $\frac{3}{5} = 0.4$ and $\frac{3}{5} = 0.6$ and $\frac{4}{5} = 0.8$ – So, we can Multiply by these decimals in the same way we use fractions. E.g $0.2 \times 10 = 2$ (because 1/5 of 10 = 2) 'x' = 'of' with fractions.

a. 0.2 x 15 = <mark>3</mark>	b. 15 x 0.4 =	c. 0.6 x 15 =
d. 25 x 0.2 =	e. 0.6 x 25 =	f. 25 x 0.8 =
g. 0.2 x 30 =	h. 30 x 0.4 =	i. 0.6 x 30 =

Similarly, we can divide strange numbers by 5 to get a decimal answer:

j. 6÷5= 1.2	k. 12 ÷ 5 =	l. 7÷5 =
m. 9÷5=	n. 11÷5=	o. 17÷5 = 3
p. 21÷5=	q. 14÷5=	r. 24 ÷ 5 =

Here's a thing: 5ths and 10ths are kind of related! There are **2** tenths in every 5th. So we can easily simplify tenths into fifths! (supposing they're even numerators) Try some here:

1. 8/10 = 4/5 (Just halve both numbers) 2. 2/10 = /3. 6/10 = / 4. 10 / 10 = / 5. 12 / 10 = /

Cinco de Mayo—or the **fifth** of May—commemorates the Mexican army's 1862 victory over France at the Battle of Puebla during the Franco-Mexican War (1861-1867). http://www.history.com/topics/holidays/cinco-de-mayo



Using fifths. *Stg E7/7 props & rats*

Name:

How to find a fifth of any number. Finding a fifth is the same as dividing by 5, much like the other types of division you know already – we can use standard form fast long division. So, let's have a go at finding a fifth 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 fifths of any number? Or 4 fifths? Hmm, What then clever clogs? Well, here is the good news: to find 2 fifths, all you have to do is double the answer to 1 fifth! E.g.

 $4 6 9 \rightarrow 4 6 9$ $5)2 3^{3}4^{4}5 \xrightarrow{X} 2$ = 9 3 8One fifth of 2345 is 469, 469 x 2 = 938 - to find 3 fifths simply multiply by 3, or 4 fifths - multiply by 4. Yep that's right! $\frac{1}{5} \text{ of any number is } 20\%.$ $\frac{1}{5} \text{ of any number is } 40\%$ $\frac{1}{5} \text{ of any number is } 60\%$ $\frac{1}{5} \text{ of any number is } 80\%$ $\frac{1}{5} \text{ of any number is } 80\%$

$$H. \text{ Find } 3/5 \text{ of } 71.45 \quad 5 \overline{)71.45} \quad x \quad 3$$

III. Find 4/5 of 2.070
$$5)2.070 \frac{x}{-}$$

IV. Find $\frac{2}{5}$ of 2.070 5 69.85 x

aths book:

- 1. Find 2/5 of 1680
- 2. Find 3/5 of 37.375
- 3. Find 4/5 of 7095
- 4. Find 2/5 of 5.690
- 5. Find 3/5 of 7405
- 6. Find 4/5 of 77.035
- 7. Find 2/5 of 2080
- 8. Find 3/5 of 47.70
- 9. Find 4/5 of 3705
- 10. Find 2/5 of 95.75

Fifth Avenue is a major thoroughfare going through Manhattan in New York City, United States. It is considered among the most expensive and best shopping streets in the world. https://en.wikipedia.org/wiki/Fifth_Avenue

In New Zealand we celebrate 'Guy Fawkes' night on the 5th of November. We borrowed it from British history though – Guy Fawkes tried to blow up the English parliament building!