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Converting Fractions to Decimals and Percentages

Year 6 – Fifths, Eighths, Twentieths, Twenty-fifths and Fiftieths

Name: _____ Date: _____

Method 1 *Make the denominator 100*
3/20 = 15/100 (× 5)
15/100 = **0.15 = 15%**

Method 2 *Divide numerator by denominator*
3/8 = 3 ÷ 8
3 ÷ 8 = **0.375 = 37.5%**
Decimal to %: multiply by 100

	A Fractions to decimals		**B** Fractions to percentages		**C** To fractions (simplest form)
1.	2/5 = _____	1.	4/5 = _____	1.	0.8 = _____
2.	3/5 = _____	2.	3/20 = _____	2.	45% = _____
3.	1/8 = _____	3.	17/50 = _____	3.	0.125 = _____
4.	7/20 = _____	4.	7/25 = _____	4.	64% = _____
5.	3/25 = _____	5.	1/8 = _____	5.	0.06 = _____
6.	9/50 = _____	6.	19/20 = _____	6.	2.75 = _____
7.	5/8 = _____	7.	6/25 = _____	7.	120% = _____
8.	11/20 = _____	8.	12/40 = _____	8.	0.35 = _____
9.	24/25 = _____	9.	7/8 = _____	9.	0.04 = _____
10.	1 1/4 = _____	10.	1/3 = _____ (1 d.p.)	10.	85% = _____
11.	3/8 = _____	11.	18/24 = _____	11.	0.375 = _____
12.	2 3/5 = _____	12.	3/2 = _____	12.	1.6 = _____

BetterChallenge:

Year 6 Reasoning

a) Put these in order, starting with the smallest: 0.6 5/8 63% 0.06

b) In a class of 25 pupils, 17 walk to school. What percentage of the class walk to school?

c) Jess spent 3/8 of her £20 birthday money. What percentage did she spend, and how much money does she have left?