@betterlearningu
betterlearningleigh@gmail.com
facebook.com/betterlearning

Converting Fractions to Decimals and Percentages – Answers

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

Answer key – for the tutor or parent

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 = **0.4**	1.	4/5 = **80%**	1.	0.8 = **4/5**
2.	3/5 = **0.6**	2.	3/20 = **15%**	2.	45% = **9/20**
3.	1/8 = **0.125**	3.	17/50 = **34%**	3.	0.125 = **1/8**
4.	7/20 = **0.35**	4.	7/25 = **28%**	4.	64% = **16/25**
5.	3/25 = **0.12**	5.	1/8 = **12.5%**	5.	0.06 = **3/50**
6.	9/50 = **0.18**	6.	19/20 = **95%**	6.	2.75 = **2 3/4**
7.	5/8 = **0.625**	7.	6/25 = **24%**	7.	120% = **1 1/5**
8.	11/20 = **0.55**	8.	12/40 = **30%**	8.	0.35 = **7/20**
9.	24/25 = **0.96**	9.	7/8 = **87.5%**	9.	0.04 = **1/25**
10.	1 1/4 = **1.25**	10.	1/3 = **33.3%** (1 d.p.)	10.	85% = **17/20**
11.	3/8 = **0.375**	11.	18/24 = **75%**	11.	0.375 = **3/8**
12.	2 3/5 = **2.6**	12.	3/2 = **150%**	12.	1.6 = **1 3/5**

BetterChallenge:

Year 6 Reasoning

a) 0.06, 0.6, 5/8 (0.625), 63%

b) 17/25 = 68/100 = 68%

c) 3/8 = 37.5%. She spent £7.50 (£20 ÷ 8 × 3), so she has £12.50 left.