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

Converting Fractions to Decimals and Percentages – Answers

Year 4 – Halves, Quarters, Tenths and Hundredths

Answer key – for the tutor or parent

Method 1 *Tenths and hundredths*
7/10 = 0.7 (7 tenths)
23/100 = 0.23 (23 hundredths)
Per cent means "out of 100"
23/100 = **23%**

Method 2 *Halves and quarters*
1/2 = 5/10 = **0.5 = 50%**
1/4 = 25/100 = **0.25 = 25%**
3/4 = 75/100 = **0.75 = 75%**
7/10 = 70/100 = 70%

	A Fractions to decimals		**B** Fractions to percentages		**C** Fill in the missing numbers
1.	1/2 = **0.5**	1.	1/2 = **50%**	1.	0.3 = **3**/10
2.	3/10 = **0.3**	2.	1/4 = **25%**	2.	0.75 = **3**/4
3.	7/10 = **0.7**	3.	3/4 = **75%**	3.	50% = **1**/2
4.	1/4 = **0.25**	4.	37/100 = **37%**	4.	25% = **1**/4
5.	9/10 = **0.9**	5.	1/10 = **10%**	5.	0.09 = **9**/100
6.	3/4 = **0.75**	6.	6/10 = **60%**	6.	40% = **4**/10
7.	45/100 = **0.45**	7.	4/100 = **4%**	7.	0.6 = **60**%
8.	8/100 = **0.08**	8.	2/10 = **20%**	8.	0.25 = **25**%
9.	2/4 = **0.5**	9.	100/100 = **100%**	9.	71% = 0.**71**
10.	61/100 = **0.61**	10.	85/100 = **85%**	10.	3/4 = **0.75** = **75**%
11.	5/10 = **0.5**	11.	9/10 = **90%**	11.	1/2 = **0.5** = **50**%
12.	99/100 = **0.99**	12.	10/100 = **10%**	12.	7/10 = **0.7** = **70**%

BetterChallenge:

Think it through

a) 1/4 = 0.25 = 25%

b) Mia. 7/10 = 70/100 = 70%, and 70% is more than 65%.

c) 1/4 (0.25), 30% (0.3), 0.5