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Converting Fractions to Decimals and Percentages

Year 4 – Halves, Quarters, Tenths and Hundredths

Name: _____ Date: _____

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 = _____	1.	1/2 = _____	1.	0.3 = _____/10
2.	3/10 = _____	2.	1/4 = _____	2.	0.75 = _____/4
3.	7/10 = _____	3.	3/4 = _____	3.	50% = _____/2
4.	1/4 = _____	4.	37/100 = _____	4.	25% = _____/4
5.	9/10 = _____	5.	1/10 = _____	5.	0.09 = _____/100
6.	3/4 = _____	6.	6/10 = _____	6.	40% = _____/10
7.	45/100 = _____	7.	4/100 = _____	7.	0.6 = _____%
8.	8/100 = _____	8.	2/10 = _____	8.	0.25 = _____%
9.	2/4 = _____	9.	100/100 = _____	9.	71% = 0._____
10.	61/100 = _____	10.	85/100 = _____	10.	3/4 = _____ = _____%
11.	5/10 = _____	11.	9/10 = _____	11.	1/2 = _____ = _____%
12.	99/100 = _____	12.	10/100 = _____	12.	7/10 = _____ = _____%

BetterChallenge:

Think it through

a) Sam ate 1/4 of a pizza. Write this amount as a decimal and as a percentage.

b) Mia scored 7/10 in her spelling test. Ben scored 65%. Who did better? Explain how you know.

c) Put these in order, starting with the smallest: 0.5 1/4 30%