Equivalents   TREND

Approach: Independent   *Level:* Year 8
Focus: Conversion among fractions, decimals and percentages.
Resources: None.

Questions/instructions:

Fill in the empty boxes so that each row has an equivalent fraction, percentage and decimal.

% responses
2001 ('97)
year 8

Common Fraction	Percentage	Decimal	
1. $\frac{1}{2}$	50		79 (77)
		0.5	67 (65)
2. $\frac{1}{5}$	20%		53 (50)
		0.2	69 (61)
3. $\frac{2}{5}$	40		35 (31)
		0.4	64 (59)
4. $\frac{1}{4}$	25		59 (56)
		0.25	52 (44)
5. $\frac{1}{10}$	10		51 (47)
		0.1	63 (61)
6. $\frac{3}{4}$	75%		57 (54)
		0.75	63 (58)

Total score:		
12	24 (21)
9–11	22 (20)
6–8	17 (16)
3–5	16 (18)
0–2	21 (25)

Commentary

On average, **59 percent** of year 8 students succeeded with each conversion, 4 percent more than in 1997. Although this improvement was slight, it occurred for all 12 conversions.