

Varied Fluency Kilograms and Kilometres

Developing

- 1a. $9\text{km} = 900\text{m}$ corrected to $9\text{km} = 9,000\text{m}$.
 $3,000\text{g} = 30\text{kg}$ corrected to $3,000\text{g} = 3\text{kg}$ or $30,000\text{g} = 30\text{kg}$.
2a. False, True, True, True.
3a. $3\text{kg} < 4,000\text{g}$, $3,000 > 2\text{kg}$,
 $80\text{km} = 80,000\text{m}$, $4,000\text{m} > 2\text{km}$
4a. $8,000\text{m}$

Expected

- 5a. $700\text{m} = 7.0\text{km}$ corrected to $700\text{m} = 0.7\text{km}$ or $7,000\text{m} = 7.0\text{km}$.
 $2.7\text{kg} = 27,000\text{g}$ corrected to $2.7\text{kg} = 2,700\text{g}$ or $27\text{kg} = 27,000\text{g}$.
6a. True, True, False, False.
7a. $3.5\text{kg} < 5,500\text{g}$, $31,000\text{g} > 27\text{kg}$,
 $9.8\text{km} > 9,700\text{m}$, $4,200\text{m} = 4.2\text{km}$.
8a. 700g .

Greater Depth

- 9a. $3,500\text{m} = 3.05\text{km}$ corrected to $3,500\text{m} = 3.5\text{km}$ or $3,050\text{km} = 3.05\text{km}$.
 $0.43\text{kg} = 4,300\text{g}$ corrected to $0.43\text{kg} = 430\text{g}$ or $4.3\text{kg} = 4,300\text{g}$.
10a. False, False, True, True.
11a. $6.78\text{kg} < 9,850\text{g}$, $7,430\text{m} > 2.73\text{km}$,
 $9,800\text{m} > 8.08\text{km}$, $260\text{m} = 0.26\text{km}$.
12a. 0.11km .

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Developing

- 1b. $4,000\text{m} = 40\text{km}$ corrected to $4,000\text{m} = 4\text{km}$ or $40,000\text{m} = 40\text{km}$.
 $80\text{kg} = 8,000\text{g}$ corrected to $80\text{kg} = 80,000\text{g}$ or $8\text{kg} = 8,000\text{g}$.
2b. False, False, True, False
3b. $4\text{kg} > 2,000\text{g}$, $90\text{kg} = 90,000\text{g}$,
 $8,000\text{m} > 6\text{km}$, $6\text{km} < 7,000\text{m}$
4b. 3kg

Expected

- 5b. $4,900\text{m} = 49\text{km}$ corrected to $4,900\text{m} = 4.9\text{km}$ or $49,000 = 49\text{km}$.
 $20,200\text{m} = 2.0\text{km}$ corrected to $20,200\text{m} = 20.2\text{km}$ or $2,000\text{m} = 2.0\text{km}$
6b. True, False, True, False.
7b. $3.4\text{kg} > 3,300\text{g}$, $9.9\text{kg} = 9,900\text{g}$,
 $800\text{m} > 0.6\text{km}$, $6.7\text{km} < 7,600\text{m}$
8b. $5,300\text{m}$.

Greater Depth

- 9b. $4,970\text{m} = 49.7\text{km}$ corrected to $4,970\text{m} = 4.97\text{km}$ or $49,700\text{m} = 49.7\text{km}$.
 $30,300\text{m} = 33\text{km}$ corrected to $30,300\text{m} = 30.3\text{km}$ or $33,000\text{m} = 33\text{km}$.
10b. True, False, True, True.
11b. $4.42\text{km} > 3,320\text{m}$, $0.95\text{km} = 950\text{m}$,
 $720\text{g} > 0.71\text{kg}$, $2.37\text{kg} < 5,670\text{g}$.
12b. $3,700\text{g}$.