

# Review Topic 4

Ⓐ	0.300	0.076	4.00
	7.000	0.801	0.98
	0.456	0.030	0.10
	<u>7.756</u>	<u>0.913</u>	<u>5.08</u>

Ⓑ  $5\frac{5}{8} + \frac{1}{2}\frac{4}{4}$        $\frac{1 \cdot 8}{3 \cdot 8} + \frac{7 \cdot 3}{8 \cdot 3} + \frac{5 \cdot 4}{6 \cdot 4}$

$5\frac{5}{8} + \frac{4}{8} = 5\frac{9}{8} = 5 + 1\frac{1}{8} = 6\frac{1}{8}$        $\frac{8}{24} + \frac{21}{24} + \frac{20}{24} = \frac{49}{24} = 2\frac{1}{24}$

$\frac{4 \cdot 6}{5 \cdot 6} + 3\frac{3 \cdot 3}{10 \cdot 3} + 7\frac{2 \cdot 10}{3 \cdot 10} = \frac{24}{30} + 3\frac{9}{30} + 7\frac{20}{30} = 10\frac{53}{30} = 11\frac{23}{30}$

Ⓒ  $4.6 + 2\frac{2}{3} + 5\frac{1}{6} = 4\frac{6}{10} + 2\frac{2}{3} + 5\frac{1}{6} = 4\frac{3 \cdot 6}{5 \cdot 6} + 2\frac{2 \cdot 10}{3 \cdot 10} + 5\frac{1 \cdot 5}{6 \cdot 5} = 4\frac{18}{30} + 2\frac{20}{30} + 5\frac{5}{30}$

$0.5 + \frac{2}{3} + \frac{1}{2} = \frac{1}{2} + \frac{2}{3} + \frac{1}{2} = 1\frac{2}{3}$        $\frac{2}{5} + 3 + \frac{7}{20} + 8 = 9.05$  or  $9\frac{1}{20}$        $11\frac{43}{30} = 12\frac{13}{30}$

Ⓓ  $5m^2n^3 + 8m^2n^3 + m^2n^3 = 14m^2n^3$        $12x + 7y + x + 2y + 5y$

*all like terms*       $13x + 14y$

$2r^2t + 8r^2t + 3rt^2 = 10r^2t + 3rt^2$

Ⓔ  $123f + 23ef + f + 2e = 124f + 2e + 23ef$        $3x^2 + 2x + 5$  *stays the same*

$6xy + 7y + 6x$  *stays the same*

Ⓕ  $3.2g + 0.34g + 20g = 23.54g$       Ⓖ  $3f + 7.5f + 0.2d + 3f = 13.5f + 0.2d$

$0.3 + 0.023h + 5h + 2.6h + 7$        $2.3s + 0.6t + 3s + 4t = 4.6t + 5.3s$

$7.623h + 7.3$        $0.28 + 0.5s + 4t + 0.4t$

$3t + 0.34t + 2.2t = 5.54t$        $0.7s + 4.4t$

Ⓖ  $0.4s^2r^3 + 5s^2 + 3s^2r^3 = 3.4s^2r^3 + 5s^2$

$0.7e^2f^3 + 1.2e^2f + 0.3e^2f^3 = e^2f^3 + 1.2e^2f$

$0.3de^2 + 1.1de^2 + de^2 + 5d^2e + de^2 + 5d^2e = 3.4de^2 + 10d^2e$