

1		15	P1 P1 A1	strategy to start the problem, eg 8:20 and 20:5 process to solve the problem, eg $\frac{5}{33} \times 100$ or 24:60:15 cao	
2	18	P1 P1 P1 A1	for $240 \div 10 (= 24)$ or $240 \div 8 (= 30)$ for $3 \times "24" (= 72)$ or $7 \times "24" (= 168)$ or $3 \times "30" (= 90)$ or $5 \times "30" (= 150)$ for $3 \times "24" (= 72)$ and $3 \times "30" (= 90)$ or $7 \times "24" (= 168)$ and $5 \times "30" (= 150)$ cao	Accept $3 + 7$ for 10, $3 + 5$ for 8	
3	6 : 15 : 20	P1 P1 A1	chooses a multiplier to equate the two fractions in terms of b eg $\frac{2}{5} \times \frac{3}{3} (= \frac{6}{15})$ or $\frac{3}{4} \times \frac{5}{5} (= \frac{15}{20})$ or lists equivalent fractions to $\frac{2}{5}$ up to at least $\frac{6}{15}$, eg. $\frac{2}{5}, \frac{4}{10}, \frac{6}{15}, \dots$ or lists equivalent fractions to $\frac{3}{4}$ up to at least $\frac{15}{20}$, eg. $\frac{3}{4}, \frac{6}{8}, \frac{9}{12}, \frac{12}{16}, \frac{15}{20}, \dots$ or $(a : b =) 2 : 5$ and $(b : c =) 3 : 4$ or for 6 : 15 or 15 : 20 seen P1 puts into related terms ready for ratio eg $\frac{2}{5} \times \frac{3}{3} = \frac{6}{15}$ and $\frac{3}{4} \times \frac{5}{5} = \frac{15}{20}$ or for $(a : b =) 6 : 15$ and $(b : c =) 15 : 20$ or lists equivalent ratios up to a common element for b , eg $a : b = 2 : 5, 4 : 10, 6 : 15$ and $b : c = 3 : 4, 6 : 8, 9 : 12, 12 : 16, 15 : 20$ A1 for 6 : 15 : 20 oe	Need not be written in ratio form Accept equivalent ratios Accept $a = 6, b = 15$ and $c = 20$	
4	$\frac{3}{10}$	P1 A1	for a process to find three amounts in the correct proportions, eg $R = 1, L = 3 \times 1 = 3, A = 2 \times 3 = 6,$ or $R : L : A = \frac{1}{6} : 0.5 : 1$ oe or $L=3R, L=\frac{A}{2}$ or $L=3R, 2L=A$ for $\frac{3}{10}$ or equivalent fraction	Relationship could be given in algebraic form or in ratio form, using fractional comparison or using their own figures Award P1 for correct answer not given as a fraction	