

## TAKE 5 ... FRACTION OF AN AMOUNT

Q1.

Question	Answer	Mark	Mark scheme	Additional guidance
	11	B1	cao	

Q2.

5MB2F 01 November 2015				
Question	Working	Answer	Mark	Notes
		80	3	M1 for $120 \div 3$ (=40) M1 for $120 - "40"$ A1 cao  OR  M1 for $120 \div 3$ (=40) M1 for $"40" \times 2$ A1 cao

Q3.

PAPER: 5MBIF_01				
Question	Working	Answer	Mark	Notes
		7.31	4	M1 for a correct method to work out the total cost (= 16.92) M1 for a correct method to find $\frac{1}{4}$ of their total cost (or $\frac{3}{4}$ )  M1 (dep on at least M1) for subtraction from £20 A1 cao

Q4.

Question	Working	Answer	Mark	Notes
	$13.68 + 2 \times 8.10 + 6.99$ $36.87 \div 3$ $36.87 - 12.29$ $40 - 24.58$ OR $(13.68 \div 3) \times 2 = 9.12$ $(8.10 \div 3) \times 2 = 5.40$ $(6.99 \div 3) \times 2 = 4.66$ $9.12 + 5.40 + 5.40 +$ $4.66 =$ $24.58$ $40 - 24.58$	15.42	4	M1 for $13.68 + 2 \times 8.10 + 6.99$ oe (=36.87) M1 for $(("36.87" \div 3) \times 2$ oe or $"36.87" - ("36.87" \div 3)$ oe M1 for $40 - "24.58"$ A1 cao OR M1 for $(13.68 \div 3) \times 2$ or $(8.10 \div 3) \times 2$ or $(6.99 \div 3) \times 2$ oe M1 for $"9.12" + 2 \times "5.40" + "4.66"$ M1 for $40 - "24.58"$ A1 cao OR M1 for $(13.68 \div 3) \times 2$ or $(8.10 \div 3) \times 2$ or $(6.99 \div 3) \times 2$ M1 for subtracting the special offer cost of at least one of each item from 40 M1 for successively subtracting costs of all 4 items A1 cao

## Q5.

Question	Working	Answer	Mark	Notes
	$\frac{1}{2} \times 60 = 30, 30 \times 5 = 150$ $\frac{1}{3} \times 60 = 20, 20 \times 4 = \text{£}80$ $3 \times 60 = 180$ $180 + 75 - 150 - 80 = \text{£}25$ 10 bags (i.e. $60 - 30 - 20$ ) sold for 25 $25 \div 10 = 2.50$  OR $\frac{1}{2} \times 60 = 30, 30 \times \text{£}2 = \text{£}60$ profit $\frac{1}{3} \times 60 = 20, 20 \times \text{£}1 = \text{£}20$ profit $60 + 20 = \text{£}80$ $80 - 75 = 5$ loss on 10 bags (i.e. $60 - 30 - 20$ ) $10 \times \text{£}3 = \text{£}30$ $30 - 5 = \text{£}25$ $\text{£}25 \div 10 = \text{£}2.50$	2.50	4	M1 for $\frac{1}{2} \times 60 \times 5 (=150)$ or $\frac{1}{3} \times 60 \times 4 (=80)$  M1 (dep on 1st M1) for $3 \times 60 + 75 - '150' - '80'$ oe ( $=25$ ) M1 (dep on previous M1) for $'25' \div (60 - '30' - '20')$ A1 for 2.50 (accept 2.5)  OR  M1 for $\frac{1}{2} \times 60 \times 2 (=60)$ or $\frac{1}{3} \times 60 \times 1 (=20)$ M1 (dep on 1st M1) for $(60 - '30' - '20') \times 3 - ('60' + '20' - 75)$ oe ( $=25$ ) M1 (dep on previous M1) for $'25' \div (60 - '30' - '20')$ A1 for 2.50 (accept 2.5)