

## Mark Scheme - PPT

Q1. June 2018

Question	Skills Standard	Process	Mark	Mark Grid	Evidence
(a)	R1	Begins process to find cost	1 or	A	$229.2 \times 24 (=5500.8)$
	A4	Completes process to find total cost	2 or	AB	'5500.8' + 5875 (=11375.8)
	I6	Accurate figure in correct money notation	3	ABC	£11375.80 Correct money notation
	A5	Valid check	1	D	Valid check, e.g. reverse calculation or estimation

Q2. July 2018

Question	Skills Standard	Process	Mark	Mark Grid	Evidence
	R2	Begins to find a route	1 or	N	Finds a route starting or finishing at Roditch that goes past/through at least 2 of: Roditch, Flammen, Padley or Tipington (indicated by names, distances or on the diagram) or uses 9.6 in their total
	I6	Finds the distance for the shortest route	2	NP	23.3 (miles) OR R,T,F,R,P,R = 23.3(miles)
	A4	Full process to find the total distance for their route	1 or	Q	e.g. $9.6 + 2.2 + 3.5 + 7 + 2.4 (=24.7)$ OR $2.2 + 3.5 + 3.2 + 2.4 + 2.4 (=13.7)$ NB their route must include at least 3 distances
	I6	Accurate distance for their route	2	QR	e.g. $(9.6 + 2.2 + 3.5 + 7 + 2.4 =) 24.7$ (miles) OR $(2.2 + 3.5 + 3.2 + 2.4 + 2.4 =) 13.7$ (miles)  NB their route must include at least 3 distances
<b>Total marks for question</b>			<b>4</b>		

### Q3. July 2016

Question	Skills Standard	Process	Mark	Mark Grid	Evidence
(a)	R1	Begins to work with cost of separate items	1 or	A	$5.94 + 2.29 + 7.95 + 0.80 + 0.55 (=17.53)$ <b>OR</b> $17.74 - 5.94 - 2.29 - 7.95 - 0.80 - 0.55 (= -0.21)$
	A4	Develops calculation	2 or	AB	$17.74 - '17.53' (=0.21)$ <b>OR</b> -0.21
	I6	Accurate figure in correct money notation	3	ABC	£0.21 or 21p (in correction money notation)

### Q4. July 2015

Question	Skills Standard	Process	Mark	Mark Grid	Evidence
	R2	Starts to solve problem	1 or	A	$40.6 + 81.7 + 32.5 (= 154.8)$ <b>OR</b> $8 \times 5.70 (=45.6)$
	R3	Develops solution	2 or	AB	$200 - 154.8 (=45.2)$ (money needed) <b>OR</b> $40.6 + 81.7 + 32.5 (= 154.8)$ <b>and</b> $8 \times 5.70 (=45.6)$ <b>OR</b> $200 - (8 \times 5.70) (=154.4)$
	A4	Full process to find figures to compare	3 or	ABC	'45.6' + '154.8' (=200.40) (money raised) <b>OR</b> $40.6 + 81.7 + 32.5 + (8 \times 5.70)$ (=200.40) <b>oe</b> <b>OR</b> '45.2' $\div$ 5.70 (=7.9...) <b>OR</b> complete build up or repeated subtraction <b>OR</b> '45.2' $\div$ 8 (=5.65) <b>OR</b> $200 - '154.8' (=45.6)$
	I6	Correct conclusion with accurate figures	4	ABCD	Yes <b>AND</b> (£) 200.40 (total raised) <b>OR</b> Yes <b>AND</b> 7.9... (laps) <b>OR</b> Yes <b>AND</b> (£) 5.65 (per lap) <b>OR</b> Yes <b>AND</b> (£45.2(0) <b>and</b> (£)45.6(0)
	A5	Valid check	1	E	Reverse check of any part of calculation <b>OR</b> valid alternative method <b>OR</b> estimation
<b>Total marks for question</b>			<b>5</b>		

**Q5. Mar 2018**

Question	Skills Standard	Process	Mark	Mark Grid	Evidence
(a)	A4	Process to find total cost or remaining money	1 or	J	$3.99 + 4.49 (= 8.48)$ OR $7.50 - 4.49 (= 3.01)$ OR $7.50 - 3.99 (= 3.51)$
	A4	Full process to find difference between full price and special offer	2 or	JK	'8.48' - 7.50 (= 0.98) OR $3.99 - '3.01' (= 0.98)$ OR $4.49 - '3.51' (= 0.98)$
	I6	Accurate answer with correct money notation	3	JKL	£0.98 OR 98p correct money notation
	A5	Valid check	1	M	Valid check e.g reverse calculation or alternative method or appropriate estimation

**Q6. Jan 2017**

Question	Skills Standard	Process	Mark	Mark Grid	Evidence
(a)	R1	Begins to find total price for seed or feeders	1	A	$2 \times 6.95 (= 13.9(0))$ OR $3 \times 3.10 (= 9.3(0))$
	A4	Process to find total	1 or	B	'13.9(0)' + '9.3(0)' (=23.2(0))
	I6	Correct total with correct money notation	2	BC	£23.20 (correct money notation)

**Exam Questions Booklet**

**Q7.  
OCT 2015**

Question	Skills Standard	Process	Mark	Mark Grid	Evidence
	R1	Process to calculates total cost for one bathroom range	1 or	A	$323.45 + 184 + 267.95 (=775.40)$ OR $202 + 253.63 + 242.57 (=698.20)$ OR $243.78 + 247.52 + 227 (= 718.30)$
	A4	Process to find prices to compare	2	AB	$323.45 + 184 + 267.95 (=775.40)$ and $202 + 253.63 + 242.57 (=698.20)$ and $243.78 + 247.52 + 227 (=718.30)$ Allow errors in unit pence figure
	I6	Correct answer with accurate figures and to 2 d.p.	1	C	(£)698.20 - 2 d.p. required
	A5	Valid check	1	D	Check by reverse calculation, alternative method or estimation.
<b>Total marks for question</b>			<b>4</b>		

**Q8.  
NOV 2017**

Question	Skills Standard	Process	Mark	Mark Grid	Evidence
	R1	Engages with the diagram	1 or	A	Finds a route starting or finishing at the hotel that goes past/through at least two of: the church, the arch and the Old Town (indicated by names, distances or on diagram)
	I6	Finds a correct route no more than 6 km	2	AB	Finds a route starting <b>and</b> finishing at the hotel that goes past/through all of: the church, the arch and the Old Town with a total distance of no more than 6 km (indicated by names, distances or on diagram) e.g. H to A to OT to C to H
	A4	Full process to find the total distance for their route	1 or	C	e.g. $0.5 + 1.6 + 1.2 + 1.3 + 0.8 (=5.4)$ $0.5 + 0.5 + 0.8 + 0.8 + 0.9 + 1.2 + 0.9 (=5.6)$ NB their route must include at least three distances
	I6	Accurate distance for their route	2	CD	e.g. $(0.5 + 1.6 + 1.2 + 1.3 + 0.8 =) 5.4$ (km) <b>OR</b> $(0.5 + 0.5 + 0.8 + 0.8 + 0.9 + 1.2 + 1.3 + 0.8 =) 6.8$ (km)
<b>Total marks for question</b>			<b>4</b>		

**Q9.**  
OCT 2017

Question	Skills Standard	Process	Mark	Mark Grid	Evidence
	R2	Identifies correct figures to work with	1	A	31, 25.95, 24, 19.95 May be seen in subsequent working
	R3	Begins to find a difference or works with total	1 or	B	e.g. '31' + '24' + '24' (=79) <b>OR</b> '25.95' + '19.95' + '19.95' (=65.85) <b>OR</b> '31' - '25.95' (=5.05) <b>OR</b> '24' - '19.95' (=4.05)
	A4	Full process to find saving	2 or	BC	e.g. '5.05' + '4.05' + '4.05' (=13.15) <b>OR</b> '79' - '65.85' (=13.15) Award BC marks for correct processes with incorrect figures
	I6	Ft Correct answer in correct money notation	3	BCD	£13.15 in correct money notation <b>OR</b> Ft '£13.15' supported by working and in correct money notation
<b>Total marks for question</b>			<b>4</b>		

**Q10.**  
June 2018

Question	Skills Standard	Process	Mark	Mark Grid	Evidence
(a)	R1	Works with consistent units	1	A	e.g. 550 (cm) <b>or</b> 1.45 (m) <b>or</b> 2.7 (m) May be seen in subsequent working
	R2	Begins to work with formula	1 or	B	e.g. $145 \times 2$ (=290) <b>OR</b> $550 - 270$ (=280)
	A4	Full process to work with formula	2 or	BC	e.g. '290' + 270 (=560 cm) <b>OR</b> '280' ÷ 2 (=140cm)
	I6	Valid decision with accurate figures	3	BCD	e.g. No <b>AND</b> 560 (cm) ( <b>and</b> '550' (cm) oe) <b>OR</b> No <b>AND</b> 140 (cm) oe <b>OR</b> No <b>AND</b> 5.6 (m)

**Q11. JULY 2018**

(c)	R2	Process to find extra weight	1	E	$5.5 - 2.5 (=3)$
	A4	Begins to work with costs using 4.5 and/or 12	1 or	F	'3' $\times$ 4.50 (=13.5) oe <b>OR</b> 12 + 4.50 (=16.5) <b>OR</b> 25 - 12 (=13) Condone $2 \times 12$ or $5 \times 4.5$
	A4	Full process to find figures to compare	2 or	FG	'13.5' + 12 (=25.5) <b>OR</b> 12 + 4.50 + 4.50 + 4.50 (=25.5) <b>OR</b> '3' $\times$ 4.50 (=13.5) oe and 25 - 12 (=13) <b>OR</b> 25 - 12 - '13.5' (= - 0.5) oe
	I6	Valid decision and accurate figures	3	FGH	No <b>AND</b> (£)25.5(0) <b>OR</b> No <b>AND</b> (£)13.5(0) and (£)13 No <b>AND</b> (£)0.5(0) oe (under) <b>NB</b> If awarding FGH, award E
<b>Total marks for question</b>			<b>8</b>		

**Q12.**  
NOV 2016

Question	Skills Standard	Process	Mark	Mark Grid	Evidence
(a)	R1	Starts to work with hours or pay for each day	1 or	D	$4 + 5 + 4.5 + 4 + 4.5 (=22)$ <b>OR</b> $4 \times 7.85 (=31.4)$ or $4.5 \times 7.85 (=35.325)$ or $5 \times 7.85 (=39.25)$
	A4	Full process to find total pay	2 or	DE	'22' $\times$ 7.85(=172.7) <b>OR</b> $2 \times '31.4' + 2 \times '35.325' + '39.25'$ (=172.7) Ft. from incorrect person
	I6	Correct answer with correct money notation	3	DEF	£[172.69,172.71] (correct money notation)
	A5	Valid check	1	G	E.g. alternative method or reverse calculations or estimation
(b)	A4	Works with percentage	1	H	$240 \div 100 \times 25 (=60)$ oe
	R3	Full process to find figures to compare	1 or	J	$1200 \div '60' (=20)$ <b>OR</b> $26 \times '60' (=1560)$
	I6	Correct conclusion and accurate figure(s)	2	JK	No and 20 (weeks) <b>OR</b> No and (£)1560 (pay back sooner)
<b>Total marks for question</b>			<b>7</b>		