UNITED KINGDOM MATHEMATICS TRUST

Primary Team Maths Resources

Supervisor's Answer Booklet

Please ensure that students do not have access to this booklet, and take care to hold it so that answers cannot be seen.

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Crossnumber Answers

1 8	2	2 4		3 4		4 7	7	5 6
8		0		4		2		1
6 5	4	0				7 9	1	6
			8 5	2	9 1			
10 1	4		8		8		11 2	7
			12 4	1	2			
13 9	9	14 9				15 1	4	16 6
7		9		17 9		0		9
18 2	6	4		7		19 3	0	1

Pupils can ask for their answers so far to be marked at any time.

If an answer is correct, tick it and award one mark; if it is wrong, cross it out and enter the correct digit.

Pupils may enter just one digit if they wish, rather than a complete answer. Pupils may sacrifice a square, by guessing, if they wish.

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Logic Answers

Position in line	**Far left**	**Left**	**Middle**	**Right**	**Far right**
Name of clown	Jessie	Mitch	Amy	Kenny	Alby
Hat colour	Blue	Red	Green	Orange	Yellow
Hair colour	Orange	Yellow	Green	Blue	Red
Nose colour	Red	Blue	Yellow	Green	Orange
Shoes colour	Yellow	Orange	Red	Yellow	Green

Mini Relay Answers

(Units can be ignored)

A1	**9**
A2	**10**
A3	**6**
A4	**144km**

B1	**84**
B2	**12cm**
B3	**60**
B4	**15:45 or 3:45pm**

C1	**8**
C2	**7**
C3	**9**
C4	**1**

D1	**64**
D2	**40cm**
D3	**5**
D4	**30^0**

See the flowchart below for guidance about marking the Mini Relay and clarification of the scoring.

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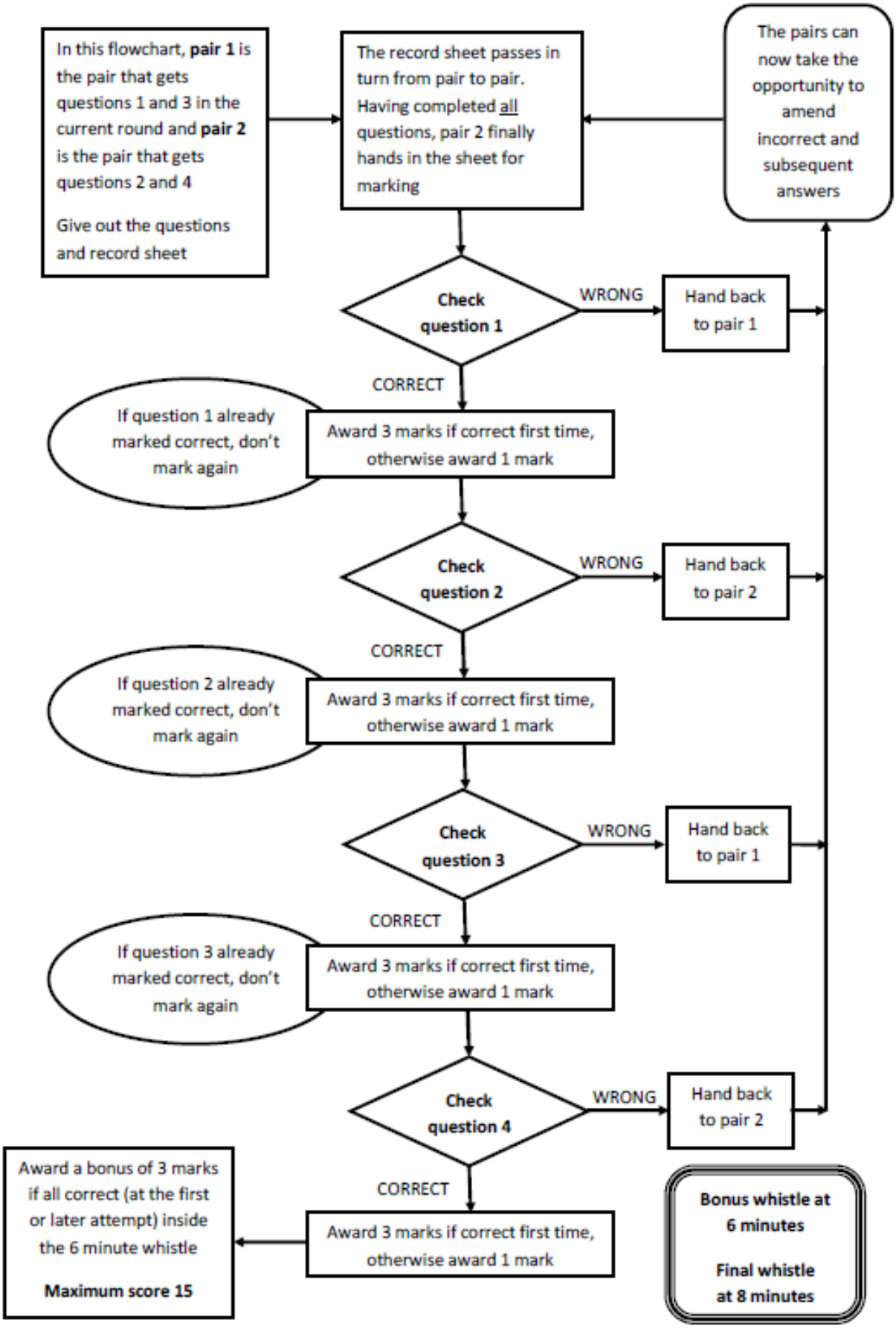
Instructions for Scoring the Mini Relay



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Group Round Answers

(Units can be ignored)

Question 1 24	Question 6 8 years	Question 11 $200m^2$
Question 2 201	Question 7 50p : 45 20p : 30	Question 12 16 years 4 months
Question 3 6 hours 10 mins	Question 8 $180cm^2$	Question 13 $\frac{3}{8}$
Question 4 $90m^2$	Question 9 2^{nd} and 5^{th}	Question 14 1 - 3 or 3 - 1
Question 5 $67.50	Question 10 Win: 12 points Draw: 5 points	Question 15 250 shots

Speed Test Answers

(Units can be ignored)

Question	Answer	Question	Answer
1	12	**11**	£148.50
2	8462	**12**	55
3	150	**13**	27
4	$\frac{1}{252}$	**14**	$\frac{11}{14}$
5	60	**15**	9 days
6	120	**16**	£12.60
7	288	**17**	$\frac{13}{60}$
8	199	**18**	144 minutes
9	$1\frac{1}{3}$km/hr	**19**	14641
10	15	**20**	0.1875

Make a Number Challenge

There may be a variety of ways of solving these problems so please check answers carefully. A possible solution for each question is given below.

1. *(100 + 5) x 3 +2*
2. *7 x 75 – 8*
3. *2 x 100 – (9 + 7)*
4. *4 x (75 + 6)*
5. *5 x (75 – 5) + 2 + 4 - 9*
6. *4 x (75 + 3) + 9 + 1 – 8*
7. *5 x (100 – 6) + 8 + 2 – 7*
8. *(6 – 1) x 75 – 6 – 4*
9. *(5 + 6) x (75 + 7 – 4) + 1*
10. *8 x ((4 x 25) – (9 + 1)) – 6*

Relay Answers

Correct answers score 2 points – circle '2' or '0' for each correct answer.
Units can be ignored.

School name_____ **Team Number**_____

A1	Friday	2 0	**B8**	45^{o}	2 0
B1	10800	2 0	**A9**	14 weeks	2 0
A2	674	2 0	**B9**	SW or South West	2 0
B2	640	2 0	**A10**	1/10	2 0
A3	35872	2 0	**B10**	10	2 0
B3	371	2 0	**A11**	5	2 0
A4	52.6 cm	2 0	**B11**	£8.45(or 845p)	2 0
B4	60	2 0	**A12**	12.37 (pm)	2 0
A5	14p	2 0	**B12**	£11.80 (or 1180p)	2 0
B5	48 cm	2 0	**A13**	£5.30	2 0
A6	2 ½ hours	2 0	**B13**	126	2 0
B6	35.43	2 0	**A14**	1440	2 0
A7	49 cm^2	2 0	**B14**	£1 (or 100p)	2 0
B7	£19.10	2 0	**A15**	50 mins	2 0
A8	35^{o}	2 0	**B15**	2 mins	2 0

Total Score:

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