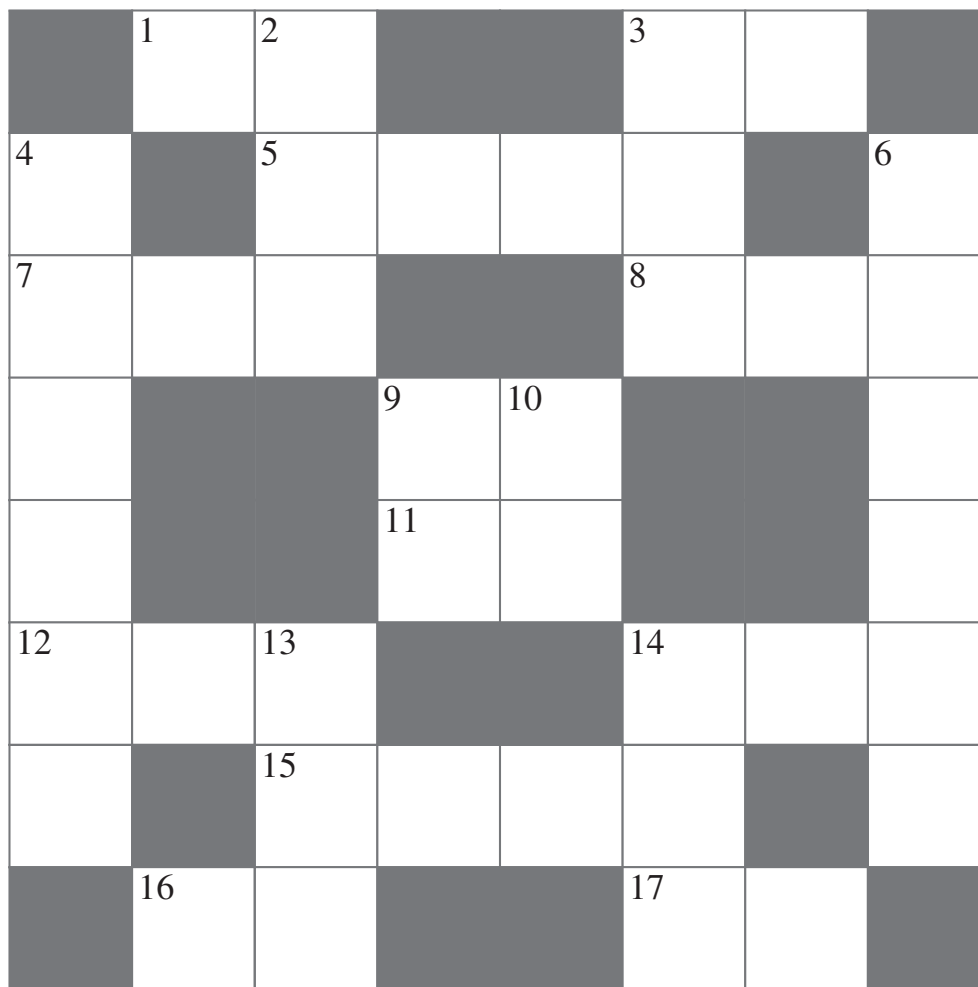# Primary Team Maths Resources
2017

Supervisor's booklet

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

CROSSNUMBER

ACROSS

1. 16 ACROSS − 9 ACROSS (2)
3. Sum of the digits of 6 DOWN (2)
5. 14 ACROSS times 1 ACROSS (4)
7. Rearrange the digits in (15 ACROSS divided by 10) (3)
8. A digit sum of 24 and 293 times a prime number. (3)
9. A square and a cube number (2)
11. Twice 17 ACROSS (2)
12. 9 ACROSS + 13 DOWN (3)
14. One less than a square number (3)
15. (3 DOWN + 13 DOWN − 10) times 10 (4)
16. A multiple of 11 (2)
17. (7 ACROSS − 8 ACROSS) divided by 5 (2)

DOWN

2. A square number (3)
3. 12 ACROSS + 13 DOWN (3)
4. 5 ACROSS times 16 ACROSS − 70 (6)
6. 9000 times 16 ACROSS + 4 times 9 ACROSS (6)
9. A multiple of 7 (2)
10. One more than 3 times 1 ACROSS (2)
13. Difference between 7 squared and 14 squared. (3)
14. The first 3 digit prime number (3)

CROSSNUMBER

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

1. 7	**6.** 100	**11.** 66
2. 6	**7.** 17:55 hours or 5:55pm	**12.** 74 minutes
3. 3	**8.** 21	**13.** 18:00 hours or 6pm
4. 301	**9.** 4 hours 9 minutes 24 seconds	**14.** 51
5. £8	**10.** 28	**15.** 4

On the RESPONSE SHEET:
Award 4 marks for a correct answer.
Circle the mark awarded for each question and cross out the other .

1 E	**6** C	**11** D
2 E	**7** E	**12** B
3 D	**8** D	**13** D
4 D	**9** C	**14** C
5 A	**10** B	**15** E

On the RESPONSE SHEET: Award 4 marks for a correct answer.
Circle the mark awarded for each question and cross out the other.

P	M	T	R	C
T	M	C	R	P
R	C	T	P	M
C	R	M	T	P
C	R	T	M	P

On the RESPONSE SHEET: Circle the mark awarded for each question and cross out the other.

TEAM NUMBER ▨ SCHOOL NAME ▨

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

$$4 \times 100 + 9 + 6 - 4$$

⓪ ③ ④

2

$$3 \times 7 + 8 + 9 + 100$$

⓪ ③ ④

3

$$7 \times (50 + 6) - 6 + 4$$

⓪ ③ ④

4

$$100 \times 9 + 3 \times (2 \times 6 + 1)$$

⓪ ③ ④

5

$$(6 + 6) \times 25 + 3 + 5 + 5$$

⓪ ③ ④

6

$$(50 - 4) \times 5 \times 4$$

⓪ ③ ④

7

$$(3 \times 3 - 2) \times (8 - 1) + 75$$

⓪ ③ ④

8

$$3 \times (75 - 4 \times 2)$$

⓪ ③ ④

9

$$(3 + 3 + 4 + 7) \times 50 - 8$$

⓪ ③ ④

10

$$9 \times (25 + 9) + 5 \div 5$$

⓪ ③ ④

Award 4 marks for a correct answer.
Circle the mark awarded and cross out the others.

FINAL SCORE /40 ▨

TEAM NUMBER [ ] SCHOOL NAME [ ]

A1 138 ⓪②	A6 240 ° ⓪②	A11 169 ⓪②
B1 4 ⓪②	B6 10p ⓪②	B11 $42\,\text{m}^2$ m² ⓪②
A2 $\frac{1}{13}$ ⓪②	A7 $\frac{1}{12}$ ⓪②	A12 16 ⓪②
B2 7 ⓪②	B7 $\frac{5}{6}$ ⓪②	B12 52 kg kg ⓪②
A3 338 ⓪②	A8 272 ⓪②	A13 £1.50 ⓪②
B3 $\frac{3}{13}$ ⓪②	B8 40 ° ⓪②	B13 $\frac{1}{4}$ ⓪②
A4 36 ⓪②	A9 95 040 ⓪②	A14 5 ⓪②
B4 25 000 ⓪②	B9 9 ⓪②	B14 10 ⓪②
A5 6 ⓪②	A10 12 ⓪②	A15 2 ⓪②
B5 173 ⓪②	B10 3p ⓪②	B15 20 ° ⓪②

Correct answers score 2 points: circle 2 or 0 for each question and cross out the other number.

At the end of the round, draw a line under the last question attempted.
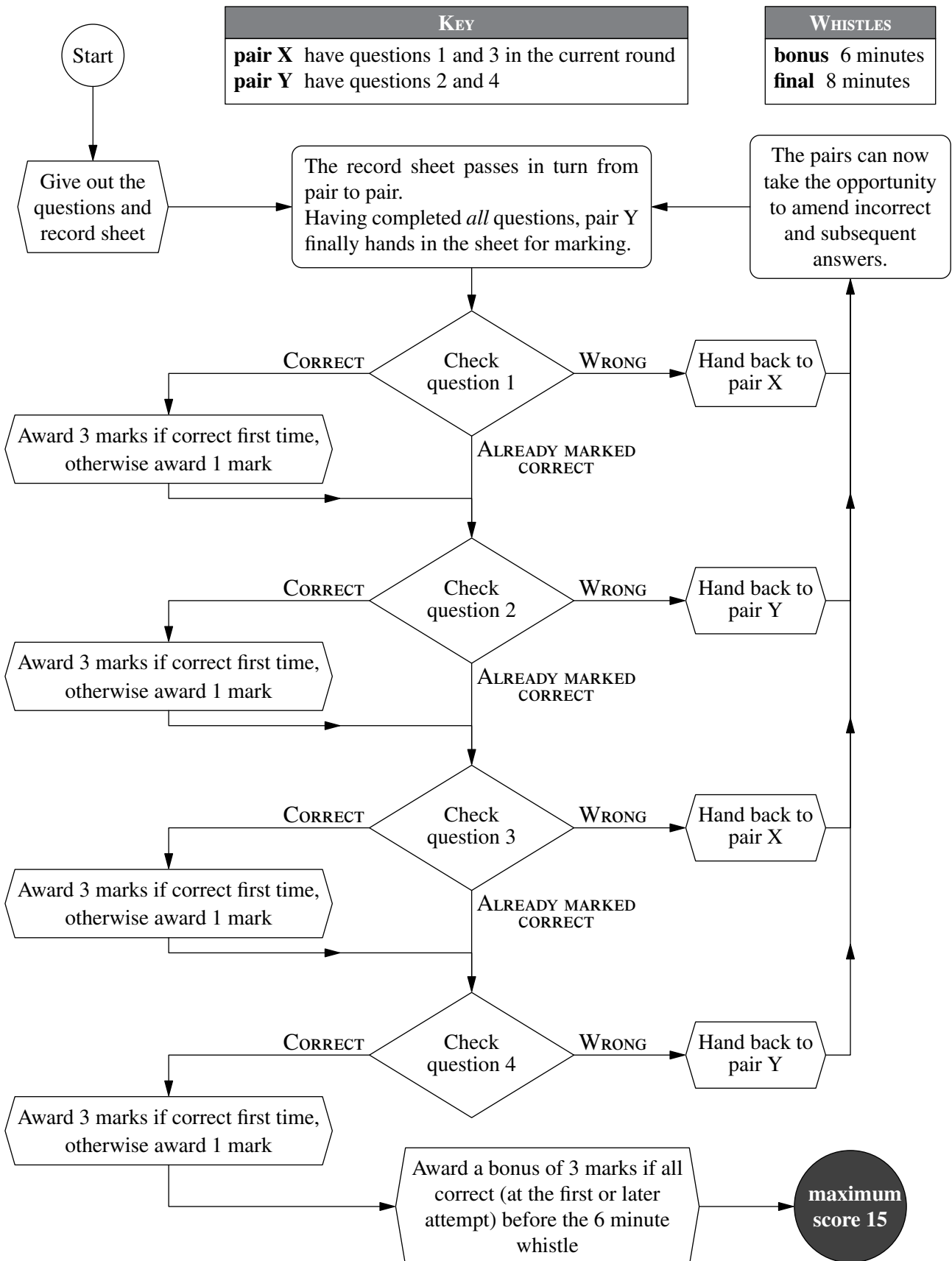
FINAL SCORE /60 [ ]

A1	B1	C1	D1
198	19	3030	62

A2	B2	C2	D2
139	83	£677	7

A3	B3	C3	D3
82	13	274	4

A4	B4	C4	D4
96	200	141	240

On the RESPONSE SHEET:

Circle the mark awarded for each question and cross out the others.

At the end of the round, either circle the bonus mark or cross it out.

The flowchart explains the order in which questions should be marked.

1 100	**6** 216	**11** 180	**16** 44 415
2 6	**7** 32	**12** $\frac{4}{7}$	**17** 20
3 30	**8** 30	**13** 7	**18** 15
4 42	**9** 6	**14** £3.25	**19** 650
5 2400	**10** 2 hours 55 minutes	**15** 73	**20** 20

On the RESPONSE SHEET: Award 3 marks for a correct answer.

Circle the mark awarded for each question and cross out the other.

BACK

PAGE