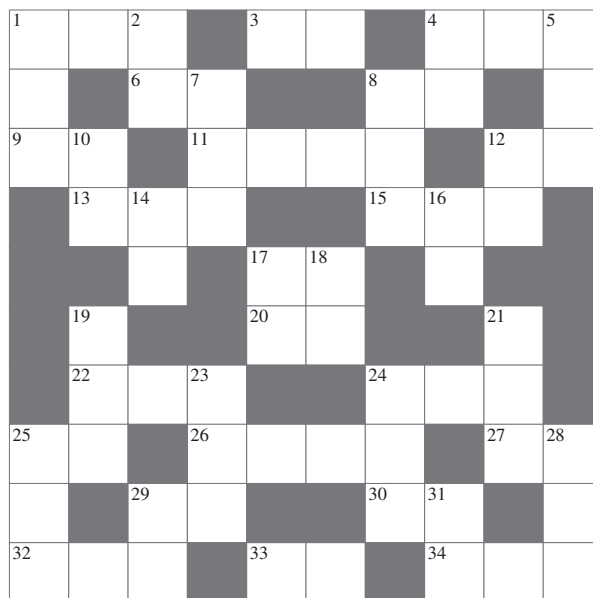


PRIMARY TEAM MATHS RESOURCES
2016

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. One third of 642 (3)
3. The sum of the digits of 22 ACROSS and 24 DOWN (2)
4. A square number whose digits add to a square number (3)
6. Three quarters of (17 ACROSS – 20 ACROSS) (2)
8. A prime number greater than 80 (2)
9. Three-eighths of (12 ACROSS + 17 ACROSS) (2)
11. The number of millimetres in 1 m 47 cm (4)
12. A multiple of 8 (2)
13. A 1000 less than one quarter of 26 ACROSS (3)
15. A multiple of 7 (3)
17. A square number which is also a cube number (2)
20. Three quarters of 17 ACROSS (2)
22. 15 ACROSS – 28 DOWN (3)
24. The digits of 1 ACROSS in a different order (3)
25. The result of taking 53 away from 26 ACROSS divided by 64 (2)
26. 8 DOWN multiplied by 8 (4)
27. $\frac{1}{4}$ of (4 ACROSS – 397) (2)
29. The digits of 10 DOWN reversed (2)
30. 11 ACROSS – 15 ACROSS – 13 ACROSS + 20 (2)
32. 5 DOWN + 1 (3)
33. The largest two-digit prime number (2)
34. 32 ACROSS + 33 ACROSS + 24 DOWN (3)

DOWN

1. Two more than one quarter of 8 DOWN (3)
2. A prime number (2)
4. A square number (2)
5. The nearest square number to 32 ACROSS (3)
7. A cube number (3)
8. A number that reads the same downwards and upwards (3)
10. Seven-sixths of 18 DOWN (2)
12. A multiple of 19 (2)
14. 12 DOWN is a multiple of this number (2)
16. 287 divided by 7 (2)
17. The same as 17 ACROSS (2)
18. One less than 4 DOWN (2)
19. 10 DOWN times 3 (3)
21. 23 DOWN + 12 ACROSS (3)
23. A square number – 4 (3)
24. 4 ACROSS + 1 (3)
25. 1 ACROSS + 1 DOWN – 17 (3)
28. The number of minutes from 15:05 to 17:41 (3)
29. A prime number (2)
31. A multiple of 11 (2)

CROSSNUMBER

¹ 2	1	² 4		³ 2	6		⁴ 4	4	⁵ 1
0		⁶ 1	⁷ 2			⁸ 8	9		9
⁹ 4	¹⁰ 5		¹¹ 1	4	7	0		¹² 5	6
	¹³ 6	¹⁴ 1	6			¹⁵ 8	¹⁶ 4	7	
		9		¹⁷ 6	¹⁸ 4		1		
	¹⁹ 1			²⁰ 4	8			²¹ 2	
	²² 6	9	²³ 1			²⁴ 4	1	2	
²⁵ 4	8		²⁶ 6	4	6	4		²⁷ 1	²⁸ 1
0		²⁹ 6	5			³⁰ 2	³¹ 7		5
³² 1	9	7		³³ 9	7		³⁴ 7	3	6

1. 450	6. 10	11. 37500 m ²
2. 8	7. 90	12. 901
3. 66	8. 108	13. 12
4. 169	9. 1.92	14. 12.25 or 12 $\frac{1}{4}$
5. 9843	10. 2	15. 18

On the RESPONSE SHEET:

Award 4 marks for a correct answer.

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

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

Sweden	Canada	Finland	Norway	Russia
32	29	35	25	28
Yellow	Orange	Red	Blue	Green
Whistler	Oslo	Stockholm	Moscow	Helsinki
2:30	2:45	3:00	3:15	3:35

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.

<p>1</p> $(4 - 1) \times 50 + 2$ <p style="text-align: right;">(0) (3) (4)</p>	<p>6</p> $8 \times 75 + 6$ <p style="text-align: right;">(0) (3) (4)</p>
<p>2</p> $7 \times 75 - 3 \times 2$ <p style="text-align: right;">(0) (3) (4)</p>	<p>7</p> $100 \times (5 - 3) - 8 + 1$ <p style="text-align: right;">(0) (3) (4)</p>
<p>3</p> $2 \times 6 \times (2 + 1 + 1) + 100$ <p style="text-align: right;">(0) (3) (4)</p>	<p>8</p> $(7 + 2 + 1) \times (75 + 3) + 9$ <p style="text-align: right;">(0) (3) (4)</p>
<p>4</p> $7 \times (100 - 8 \div 4)$ <p style="text-align: right;">(0) (3) (4)</p>	<p>9</p> $3 \times (9 + 75) + 2$ <p style="text-align: right;">(0) (3) (4)</p>
<p>5</p> $8 \times (25 + 3)$ <p style="text-align: right;">(0) (3) (4)</p>	<p>10</p> $(75 + 8 + 8 + 7) \times 2$ <p style="text-align: right;">(0) (3) (4)</p>

Award 4 marks for a correct answer obtained within 1 minute.
 Award 3 marks for a correct answer obtained within 2 minutes.
 Circle the mark awarded and cross out the others.

FINAL SCORE /40

TEAM NUMBER SCHOOL NAME

A1 5 <input type="radio"/> 0 <input type="radio"/> 2	A6 32 <input type="radio"/> 0 <input type="radio"/> 2	A11 125° <input type="radio"/> 0 <input type="radio"/> 2
B1 9 <input type="radio"/> 0 <input type="radio"/> 2	B6 7 <input type="radio"/> 0 <input type="radio"/> 2	B11 644 cm <input type="radio"/> 0 <input type="radio"/> 2
A2 2000 <input type="radio"/> 0 <input type="radio"/> 2	A7 39 300 <input type="radio"/> 0 <input type="radio"/> 2	A12 $\frac{1}{12}$ <input type="radio"/> 0 <input type="radio"/> 2
B2 146 <input type="radio"/> 0 <input type="radio"/> 2	B7 4 <input type="radio"/> 0 <input type="radio"/> 2	B12 23 seconds <input type="radio"/> 0 <input type="radio"/> 2
A3 49 <input type="radio"/> 0 <input type="radio"/> 2	A8 224 m ² <input type="radio"/> 0 <input type="radio"/> 2	A13 £197.10 <input type="radio"/> 0 <input type="radio"/> 2
B3 46 m ² <input type="radio"/> 0 <input type="radio"/> 2	B8 $\frac{1}{10}$ <input type="radio"/> 0 <input type="radio"/> 2	B13 19 600 000 <input type="radio"/> 0 <input type="radio"/> 2
A4 104 cm <input type="radio"/> 0 <input type="radio"/> 2	A9 14 <input type="radio"/> 0 <input type="radio"/> 2	A14 51 minutes <input type="radio"/> 0 <input type="radio"/> 2
B4 <i>B, A, C, D, E</i> <input type="radio"/> 0 <input type="radio"/> 2	B9 490 cm ² <input type="radio"/> 0 <input type="radio"/> 2	B14 12 <input type="radio"/> 0 <input type="radio"/> 2
A5 8 <input type="radio"/> 0 <input type="radio"/> 2	A10 7.25 or 7.250 litres <input type="radio"/> 0 <input type="radio"/> 2	A15 270 <input type="radio"/> 0 <input type="radio"/> 2
B5 £65.85 <input type="radio"/> 0 <input type="radio"/> 2	B10 72°, 54°, 54° in any order <input type="radio"/> 0 <input type="radio"/> 2	B15 1680 <input type="radio"/> 0 <input type="radio"/> 2

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.

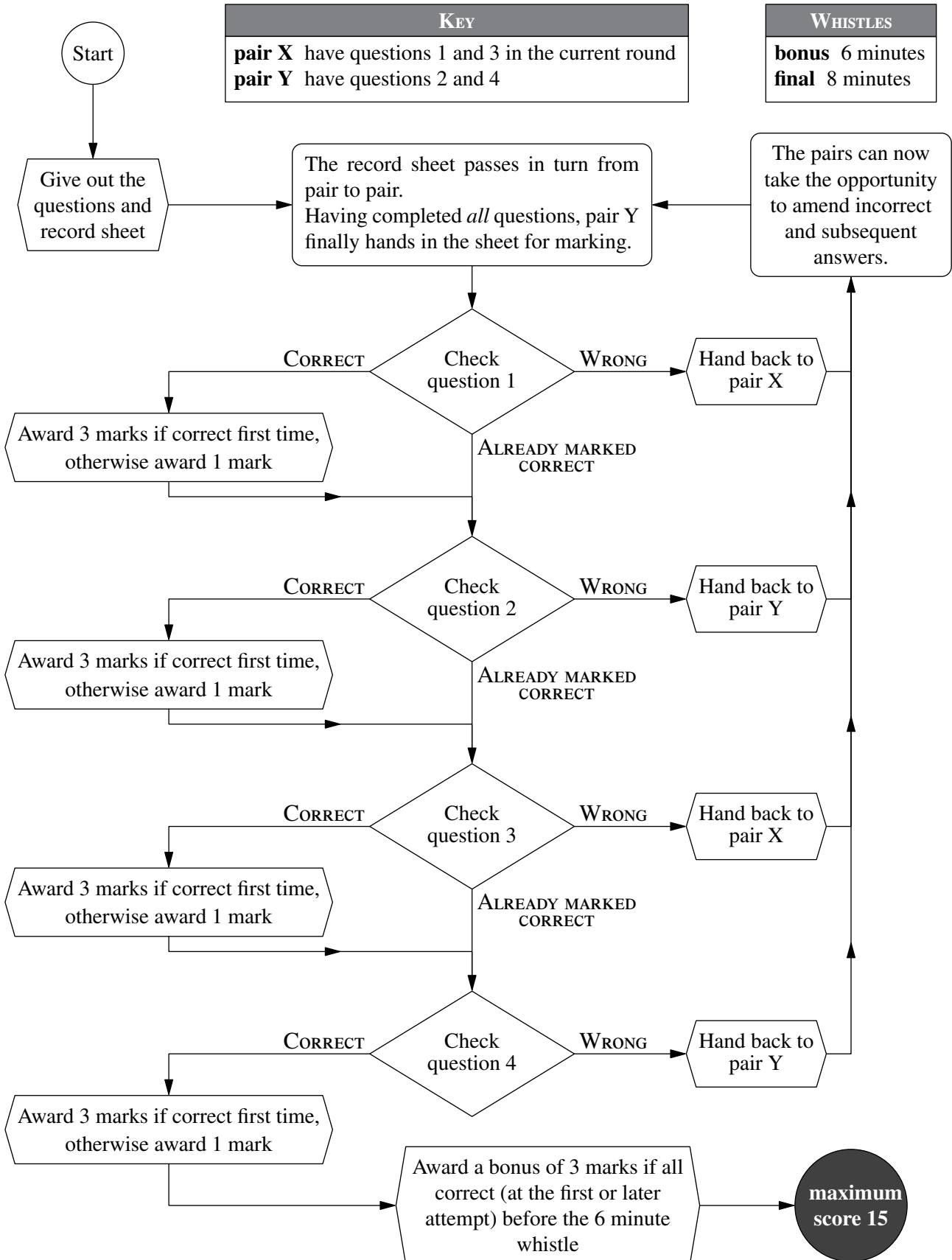
FINAL SCORE /60

A1 26	B1 41	C1 40	D1 15
A2 121	B2 1	C2 7	D2 75
A3 50	B3 6	C3 56	D3 21
A4 171	B4 44	C4 252	D4 2

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	6	11	16
75	125	6	(3, 5)
2	7	12	17
3000	66	217	23
3	8	13	18
5, 25, 50	5	2, 4, 4, 4, 6	19
4	9	14	19
$\frac{11}{24}$	36	300	120
5	10	15	20
3	54	6	105

On the RESPONSE SHEET:

Award 3 marks for a correct answer.

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

BACK

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