Key stage 3 mathematics 2002

Mental arithmetic   Test A

First name _____

Last name _____

School _____

Pupil number [ ][ ][ ][ ][ ]   Total marks [ ]

Practice question

		70 80	

Time: 5 seconds

1	1.7 1.8 1.9		1

2			2

3		5*m*	3

4		−7 9	4

5	degrees		5

6		12 : 6	6

7		0.2 0.3	7

8		78	8

9

Key: ◇ = 8 pupils

Boys	◇ ◇ ◇ ◇
Girls	◇ ◇ ◁

9

10

−5 ←→ 5

10

11

red	blue	yellow
0.2	0.5	?

11

12		$7a + 2b + 3a + 5b$	12

13

75° B, x, A

degrees

13

14

0%   100%

yes	no

%

14

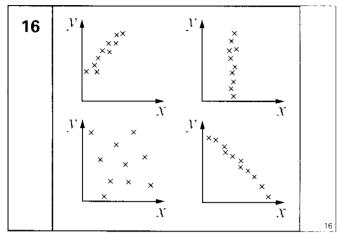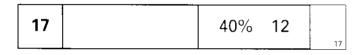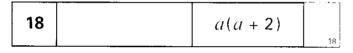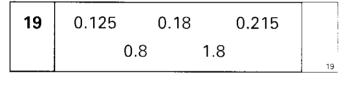## Time: 10 seconds continued

15	£	£9.99
		15

16

17		40% 12
		17

18		$a(a + 2)$
		18

19	0.125 0.18 0.215 0.8 1.8
	19

20		$10k^2$
		20

21	ml	2 : 3
		21

22	cm	
		22

Time: 15 seconds

23	4 cm

height

cm

| | 23 |

Time: 15 seconds continued

24	hours	
		24

25

26	£	£42
		26

27		Number of goals	Frequency
		0	4
		1	3
		2	6
		3	1
			27

28		$2^4 \times 3^2$
		28

29	and	$x^2 = 9$ $10 - x$
		29

30

13   height

5

| | 30 |