

BOOKLET 1

On the following page there will be some maths problems.

Please solve the problems IN YOUR HEAD. Please DO NOT write down your calculations.

Please DO NOT turn over the page until instructed

$3 + 58 - 58 =$ _____	10
$9 + 13 - 13 =$ _____	11
$18 + 7 - 7 =$ _____	01
$7 + 55 - 55 =$ _____	15
$53 + 8 - 8 =$ _____	05
$4 + 28 - 28 =$ _____	07
$49 + 3 - 3 =$ _____	04
$16 + 45 - 45 =$ _____	19
$9 + 34 - 34 =$ _____	08
$23 + 9 - 9 =$ _____	02
$38 + 5 - 5 =$ _____	03
$5 + 49 - 49 =$ _____	09
$2 + 19 - 19 =$ _____	06
$39 + 27 - 27 =$ _____	17
$8 + 36 - 36 =$ _____	13
$28 + 35 - 35 =$ _____	18
$6 + 47 - 47 =$ _____	14
$57 + 15 - 15 =$ _____	16
$48 + 54 - 54 =$ _____	20
$6 + 25 - 25 =$ _____	12

BOOKLET 2

Before answering the following questions, a maths problem will be displayed on the whiteboard. Answer the following questions **after** you have seen this problem.

Please do not turn over the page until instructed

Please write down your answer to the problem that was just displayed, in the space below. If you did not calculate an answer before the problem disappeared, please write "No answer"

Answer: _____

Please do not turn over the page until instructed

Q1: How did you solve the problem that was just displayed on the screen? If you did not solve it in time, please report how you were *trying* to solve it. Please provide ***as much detail as possible*** about the calculations you performed.

BOOKLET 3

On the following pages there will be some maths problems. You will have 65 seconds to solve as many of the problems as possible. It is unlikely that you will complete them all.

Please solve the problems IN YOUR HEAD. Please DO NOT write down your calculations.

Please do not turn over the page until instructed

$52 + 29 - 24 = \underline{\hspace{2cm}}$ 34

$5 + 29 - 27 = \underline{\hspace{2cm}}$ 03

$4 + 37 - 35 = \underline{\hspace{2cm}}$ 09

$43 + 29 - 27 = \underline{\hspace{2cm}}$ 33

$5 + 36 - 33 = \underline{\hspace{2cm}}$ 08

$53 + 38 - 35 = \underline{\hspace{2cm}}$ 39

$5 + 49 - 47 = \underline{\hspace{2cm}}$ 11

$7 + 28 - 26 = \underline{\hspace{2cm}}$ 02

$44 + 58 - 53 = \underline{\hspace{2cm}}$ 48

$35 + 19 - 16 = \underline{\hspace{2cm}}$ 27

$25 + 39 - 36 = \underline{\hspace{2cm}}$ 37

$7 + 55 - 53 = \underline{\hspace{2cm}}$ 16

$5 + 48 - 44 = \underline{\hspace{2cm}}$ 14

$3 + 68 - 66 = \underline{\hspace{2cm}}$ 22

$15 + 48 - 44 = \underline{\hspace{2cm}}$ 41

$5 + 68 - 64 = \underline{\hspace{2cm}}$ 23

$4 + 27 - 23 = \underline{\hspace{2cm}}$ 04

$57 + 38 - 36 = \underline{\hspace{2cm}}$ 40

$5 + 36 - 32 = \underline{\hspace{2cm}}$ 10

$3 + 28 - 25 = \underline{\hspace{2cm}}$ 05

$45 + 36 - 32 = \underline{\hspace{2cm}}$ 38

$45 + 17 - 14 =$ _____	28
$16 + 37 - 35 =$ _____	36
$47 + 26 - 24 =$ _____	35
$54 + 19 - 15 =$ _____	29
$6 + 66 - 63 =$ _____	25
$34 + 18 - 13 =$ _____	30
$4 + 49 - 46 =$ _____	15
$3 + 59 - 56 =$ _____	18
$4 + 59 - 55 =$ _____	20
$32 + 49 - 46 =$ _____	43
$5 + 37 - 34 =$ _____	07
$23 + 59 - 55 =$ _____	47
$4 + 48 - 46 =$ _____	12
$24 + 47 - 45 =$ _____	42
$35 + 56 - 53 =$ _____	49
$36 + 28 - 25 =$ _____	32
$6 + 67 - 65 =$ _____	21
$6 + 25 - 22 =$ _____	01
$4 + 68 - 65 =$ _____	24
$22 + 59 - 57 =$ _____	50
$7 + 36 - 34 =$ _____	06

$$23 + 18 - 16 = \underline{\hspace{2cm}}$$

26

$$55 + 47 - 44 = \underline{\hspace{2cm}}$$

44

$$4 + 57 - 55 = \underline{\hspace{2cm}}$$

17

$$5 + 57 - 54 = \underline{\hspace{2cm}}$$

19

$$14 + 27 - 23 = \underline{\hspace{2cm}}$$

31

$$13 + 49 - 44 = \underline{\hspace{2cm}}$$

45

$$17 + 58 - 56 = \underline{\hspace{2cm}}$$

46

$$6 + 46 - 43 = \underline{\hspace{2cm}}$$

13

BOOKLET 4

On the following pages there will be some maths problems. You will have 65 seconds to solve as many of the problems as possible. It is unlikely that you will complete them all.

Please solve the problems IN YOUR HEAD. Please DO NOT write down your calculations.

Please do not turn over the page until instructed

$34 + 7 - 23 =$ _____	31
$7 + 95 - 44 =$ _____	44
$27 + 44 - 66 =$ _____	22
$28 + 34 - 53 =$ _____	16
$22 + 19 - 33 =$ _____	08
$4 + 48 - 13 =$ _____	30
$14 + 27 - 35 =$ _____	09
$8 + 73 - 24 =$ _____	34
$39 + 23 - 54 =$ _____	19
$55 + 9 - 36 =$ _____	37
$23 + 18 - 32 =$ _____	10
$7 + 66 - 15 =$ _____	29
$45 + 27 - 63 =$ _____	25
$55 + 8 - 44 =$ _____	41
$57 + 7 - 25 =$ _____	32
$34 + 7 - 16 =$ _____	26
$46 + 27 - 64 =$ _____	23
$16 + 15 - 22 =$ _____	01
$5 + 76 - 32 =$ _____	38
$78 + 4 - 55 =$ _____	47
$34 + 18 - 46 =$ _____	12

$35 + 17 - 43 =$ _____	13
$72 + 9 - 46 =$ _____	43
$76 + 5 - 57 =$ _____	50
$36 + 27 - 55 =$ _____	20
$25 + 17 - 34 =$ _____	07
$46 + 7 - 35 =$ _____	36
$3 + 59 - 14 =$ _____	28
$17 + 26 - 34 =$ _____	06
$8 + 87 - 36 =$ _____	40
$16 + 15 - 23 =$ _____	04
$18 + 17 - 26 =$ _____	02
$23 + 38 - 55 =$ _____	17
$5 + 97 - 53 =$ _____	48
$43 + 29 - 65 =$ _____	24
$29 + 44 - 65 =$ _____	21
$49 + 5 - 16 =$ _____	27
$17 + 36 - 44 =$ _____	14
$8 + 83 - 35 =$ _____	39
$19 + 15 - 27 =$ _____	03
$67 + 8 - 56 =$ _____	46
$19 + 34 - 46 =$ _____	15

$$18 + 36 - 47 = \underline{\hspace{2cm}}$$

11

$$62 + 9 - 45 = \underline{\hspace{2cm}}$$

42

$$17 + 14 - 25 = \underline{\hspace{2cm}}$$

05

$$24 + 38 - 56 = \underline{\hspace{2cm}}$$

18

$$5 + 57 - 44 = \underline{\hspace{2cm}}$$

45

$$9 + 63 - 27 = \underline{\hspace{2cm}}$$

33

$$9 + 82 - 53 = \underline{\hspace{2cm}}$$

49

$$8 + 65 - 24 = \underline{\hspace{2cm}}$$

35