

PHOTOCOPIABLE

# Mental Arithmetic Questions

## Book 4

by Helen Maden

Mental Arithmetic Questions Book 4 is one of a series of four books which provide a bank of easily accessible Mental Arithmetic Questions for use in a variety of classroom situations. It contains thirty different exercises which progressively get harder. Each exercise includes: Teacher Questions suitable for reading aloud, all answers needed and a photocopiable Pupil Answer Sheet with prompts given where necessary.

Book 4 includes work from The National Curriculum Levels 3, 4 and 5, mathematical problems using numbers up to 1,000,000 and concepts taken from The National Numeracy Strategy Key Objectives for Year Six.

Topical Resources publishes a range of Educational Materials for use in Primary Schools and Pre-School Nurseries and Playgroups.

**For latest catalogue:**

**Tel: 01772 863158**

**Fax: 01772 866153**

E.Mail: [sales@topical-resources.co.uk](mailto:sales@topical-resources.co.uk)

Visit our Website on:

[www.topical-resources.co.uk](http://www.topical-resources.co.uk)

Copyright © 1999 Helen Maden

Illustrated by Paul Sealey

Printed in Great Britain for  
"Topical Resources",  
Publishers of Educational  
Materials, P.O. Box 329,  
Broughton, Preston,  
PR3 5LT by  
T.Snape & Company Ltd,  
Boltons Court, Preston,  
England.

Typeset by Paul Sealey  
Illustration and Design,  
3 Wentworth Drive,  
Thornton, England.  
FY5 5AR.

First Published September 1999.

ISBN 1 872977 47 2

## Contents

<a href="#">Test 1</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">4</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">5</a>
<a href="#">Test 2</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">6</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">7</a>
<a href="#">Test 3</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">8</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">9</a>
<a href="#">Test 4</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">10</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">11</a>
<a href="#">Test 5</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">12</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">13</a>
<a href="#">Test 6</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">14</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">15</a>
<a href="#">Test 7</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">16</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">17</a>
<a href="#">Test 8</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">18</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">19</a>
<a href="#">Test 9</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">20</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">21</a>
<a href="#">Test 10</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">22</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">23</a>
<a href="#">Test 11</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">24</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">25</a>
<a href="#">Test 12</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">26</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">27</a>
<a href="#">Test 13</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">28</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">29</a>
<a href="#">Test 14</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">30</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">31</a>
<a href="#">Test 15</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">32</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">33</a>
<a href="#">Test 16</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">34</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">35</a>
<a href="#">Test 17</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">36</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">37</a>
<a href="#">Test 18</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">38</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">39</a>
<a href="#">Test 19</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">40</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">41</a>
<a href="#">Test 20</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">42</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">43</a>
<a href="#">Test 21</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">44</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">45</a>
<a href="#">Test 22</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">46</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">47</a>
<a href="#">Test 23</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">48</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">49</a>
<a href="#">Test 24</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">50</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">51</a>
<a href="#">Test 25</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">52</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">53</a>
<a href="#">Test 26</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">54</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">55</a>
<a href="#">Test 27</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">56</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">57</a>
<a href="#">Test 28</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">58</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">59</a>
<a href="#">Test 29</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">60</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">61</a>
<a href="#">Test 30</a>	<a href="#">Teacher Page</a>	<a href="#">Page</a>	<a href="#">62</a>
	<a href="#">Pupil Page</a>	<a href="#">Page</a>	<a href="#">63</a>

# Book 4 Test 2 Teacher Questions

No.	Question	Answer
<b>Five Second Questions</b>		
1	What is the total of fifteen and fifteen?	30
2	There are 14 boys and 12 girls in a class. How many children altogether?	26 children
3	What is the nearest ten to sixty nine?	70
4	What is four point six multiplied by one hundred?	460
5	What is two hundred and forty six to the nearest hundred?	200
6	In a survey one half of the people liked singing. What percentage is this?	50%
7	What is double thirty five?	70
8	What is one quarter of forty?	10
<b>Ten Second Questions</b>		
9	A T.V. show starts at 6 o'clock. It lasts for 35 minutes. When does it finish?	6:35
10	If one book costs £2.99, how much will six books cost?	£17.94
11	What is fifteen percent of sixty?	9
12	What is half of two point six?	1.3
13	A shop has a half price sale. A book was £19. How much is it now?	£9.50
14	In London the temperature is $-6^{\circ}\text{C}$ . In Madrid it is $16^{\circ}\text{C}$ . What is the difference?	$22^{\circ}\text{C}$
15	Circle the two numbers that total forty six.	12 & 34
<b>Fifteen Second Questions</b>		
16	What is the mean of : 6, 9, 8, 10 and 7?	8
17	Look at the table on your sheet. How long does it take to get from the Town Centre to the Country Park?	30 minutes
18	What is the median of these seven numbers: 7, 8, 6, 4, 2, 9 & 17 ?	7
19	Subtract the sum of eight and nine from sixty three.	46
20	Put a circle round two numbers which are multiples of eight.	16 & 24

# Book 4 Test 2 Pupil Answer Sheet

Name \_\_\_\_\_

Date \_\_\_\_\_

Total Score

## Five Second Questions

1

11

15% , 60

2 children

12

2.6

3

13 £

£19

4

14 °C

London -6°C  
Madrid 16°C

5

15 12 19 34 14 18

6 %

## Fifteen Second Questions

7

16

6, 9, 8, 10, 7

8

17 minutes

Bus Timetable	
Bus Station	9:00
Town Centre	9:10
Railway Station	9:16
Cinema	9:25
Country Park	9:40

## Ten Second Questions

9

6:00 , 35 mins

19

8, 9, 63

10 £

£2.99 , 6

20 16 14 24 21 18 26

# Book 4 Test 29 Teacher Questions

No.	Question	Answer
<b>Five Second Questions</b>		
1	Write the next odd number after sixty three.	65
2	What is seventy take away sixty?	10
3	There are 29 children in a class. Two are absent. How many are present?	27 children
4	What is double forty six?	92
5	What is the square root of forty nine?	7
6	What is nought point six multiplied by ten?	6
7	Eight people share twenty four pounds equally. How much do they get each?	£3
8	What is twenty eight divided by seven?	4
<b>Ten Second Questions</b>		
9	A shop has a half price sale. A dress was £125. How much does it cost now?	£62.50
10	One eighth of a number is seven. What is the number?	56
11	Circle the two numbers that total twenty four.	19 & 5
12	A TV programme starts at 10 to 10. It lasts for 25 minutes. When does it finish?	10:15
13	Multiply seventeen by ten and then add twenty.	190
14	Divide one hundred by ten and then add twenty eight.	38
15	A bag of potatoes costs £1.50. How many bags can I buy with £10?	6 bags
<b>Fifteen Second Questions</b>		
16	What is the mode of these six numbers: 17, 27, 41, 41, 26 and 18.	41
17	Circle two numbers which are multiples of nine.	90 & 45
18	If Stewart saves £1.25 a week and he needs £11.99 to buy a shirt, how many weeks does he need to save for?	10 weeks
19	What number is exactly half way between 14.6 and 14.9?	14.75
20	Look at the table on your sheet. How many dinners are served in a week?	41 dinners

# Book 4 Test 29 Pupil Answer Sheet

Name \_\_\_\_\_

Date \_\_\_\_\_

Total Score

## Five Second Questions

1

2

3 children

4

5

6

7 £

8

## Ten Second Questions

9 £

10

11 19 6 5 3 16

12

10 to 10 , 25 mins

13

14

15 bags

£1.50 , £10

## Fifteen Second Questions

16

17, 27, 41, 41, 26, 18

17 90 41 26 37 45 17

18 weeks

£1.25 , £11.99

19

14.6 , 14.9

20 dinners

Children Having School Dinners	
Monday	8
Tuesday	8
Wednesday	6
Thursday	2
Friday	17