

PHOTOCOPIABLE

Mental Arithmetic Questions

Book 5 is for

Year 7

by Helen Maden

Mental Arithmetic Questions Book 5 is one of a series of six 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 5 includes work from The National Curriculum Levels 4 to 5+, mathematical problems using numbers up to 10,000,000 and concepts taken from The National Numeracy Strategy Key Objectives for Year Six and Seven.

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Book 5 Test 2 Teacher Questions

No.	Question	Answer
Five Second Questions		
1	What is the next prime number after 7 ?	11
2	What is the size of the missing angle in this triangle ?	40°
3	What is $\frac{3}{4}$ as a percentage ?	75%
4	Write the number nine million, seven hundred thousand and six.	9,700,006
5	Which number has more than 'evens' chance of coming up on this spinner ?	4
6	If n is a number, write the expression for n times n .	n^2
7	If $x+7=9$, what is x ?	2
8	Which 2 given numbers add together to make 3 ?	0.59 / 2.41
9	Add 23, 25, 26, 27 and 24.	125
10	What is the product of 34 and 10 ?	340
Ten Second Questions		
11	2.2 pounds make 1 kilogram. How many pounds are there in seventeen kilograms?	37.4
12	Circle any two given numbers with a difference of 5.	-4 and 1 <i>or</i> -4 and -9
13	What time on the 12 hour clock is 21.41 ?	9.41pm
14	Circle 2 given numbers that are multiples of 3.	831 / 726
15	What is 890 millilitres in litres ?	0.89 litres
Fifteen Second Questions		
16	If I think of a number, and divide this number by 2 then add 17 and finally take away 5, the answer is 22. What is the number I first thought of ?	20
17	What is the mean of 4.3, 5.2, 5.7 and 5.2?	5.1
18	In a test, Gill scored 32 out of 50. What is this as a percentage?	64%
19	What is the total of 5.6, 7.5, -3.2 and -3.9 ?	6
20	What expression would go in the missing box?	$3n^2 + 4x$

Book 5 Test 2 Pupil Answer Sheet

Name _____

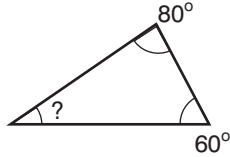
Date _____

Total Score

Five Second Questions

1

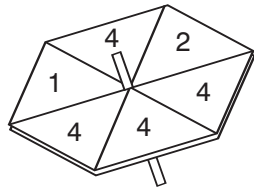
2 °



3 % $\frac{3}{4}$

4

5



6

7 $x + 7 = 9$

8 4.2 2.41 1.69 0.59

9 23, 25, 26, 27, 24

10

Ten Second Questions

11 lbs 2.2 lb = 1 kg

12 -7, 1, 2, -4, 0, -9

13 pm

14 274, 236, 831, 726

15 litres 890 ml

Fifteen Second Questions

16

17 4.3 5.2 5.7 5.2

18 % $\frac{32}{50}$

19 5.6, 7.5, -3.2, -3.9,

20

n^2+3	n^2	n^2+3x
$7n^2-6$	$7n^2$	$7n^2-6x$
$3n^2+4$	$3n^2$?