

PHOTOCOPIABLE

Mental Arithmetic Questions

Book 3

by Helen Maden

Mental Arithmetic Questions Book 3 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 3 includes work from The National Curriculum Levels 3 and 4, mathematical problems using numbers up to 10,000 and concepts taken from The National Numeracy Strategy Key Objectives for Year Five.

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Book 3 Test 2 Teacher Questions

No.	Question	Answer
Five Second Questions		
1	What is the next number after one hundred?	101
2	What is six plus nine?	15
3	Write the next odd number after seven.	9
4	Subtract eleven from nineteen.	8
5	Four people share £4 equally. How much do they get each?	£1
6	Round off two point seven to the nearest whole number.	3
7	What is five tenths as a decimal.	0.5
8	Change one and a half metres to centimetres.	150cm
Ten Second Questions		
9	I face South and then turn 90° clockwise. Which direction do I face now?	West
10	Write these numbers in order, smallest first: -3, 10 and -7.	-7, -3, 10
11	A TV programme starts at 6:45 and lasts for 25 minutes. When does it finish?	e.g. 7:10
12	What is the area of the shape on your sheet to the nearest 1/2 cm ² ?	5 - 6 cm ²
13	How many thirds are in three and one third?	10 thirds
14	Add these five numbers: 15, 15, 5, 9 and 10.	54
15	What is ten percent of sixty?	6
16	On your sheet circle two factors of one hundred.	2 & 50
17	Add six point one to seven point three two.	13.42
Fifteen Second Questions		
18	What are the coordinates of the point marked on your sheet?	(1, 2)
19	How much hotter was Friday than Thursday?	4°C
20	What is the cost of two small Ham and Pineapple Pizzas?	£9.00

Book 3 Test 2 Pupil Answer Sheet

Name _____

Date _____

Total Score

Five Second Questions

1

2

3

4

5 £

6

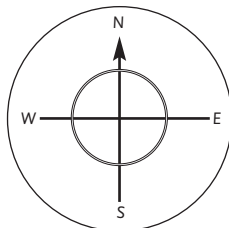
7

8 cm

Ten Second Questions

9

10



-3, 10, -7

11

12 cm²

13 thirds

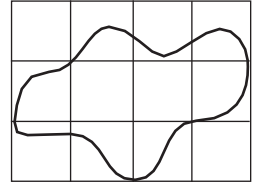
14

15

16 2 9 11 7 50 17

17 6.1 , 7.32

6:45 , 25mins



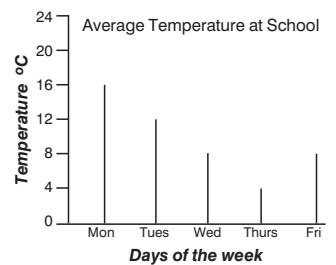
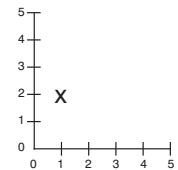
3¹/₃

Fifteen Second Questions

18

19 °C

20 £



Pizza Prices		
Type	Small	Large
Ham & Pineapple	£4.50	£6.20
Bacon & Sausage	£4.25	£6.10
Prawn & Tomato	£5.00	£7.00
Mushroom	£4.00	£5.90

Book 3 Test 30 Teacher Questions

No.	Question	Answer
Five Second Questions		
1	What is the nearest ten to twenty four?	20
2	What are two lots of nine?	18
3	How many twenty pence coins make two pounds?	10 x 20p coins
4	What is six multiplied by eight?	48
5	What is two hundred and seventy six to the nearest hundred?	300
6	Add together nine, nine and sixteen.	34
7	Round eighteen point six three to the nearest whole number.	19
8	What is eighty multiplied by one hundred?	8000
Ten Second Questions		
9	A TV programme starts at 6:45 and lasts for one and a half hours. At what time does it finish?	e.g. 8:15
10	What number comes half way between 172 and 188?	180
11	I face North and turn 270 degrees clockwise. Which direction do I face now?	West
12	What is one quarter of eight hundred?	200
13	What is 9008 take away 3992?	5016
14	Look at the picture of the cuboid. How many small cubes are needed to make this shape?	27 cubes
15	Circle the sign to complete the sum.	>
16	Sam collects 20p coins. He has 400 coins. How much are they worth?	£80
17	What is the mean of these three numbers: 50, 40 and 60?	50
Fifteen Second Questions		
18	If the ratio of boys to girls is 2:1 and there are 16 girls, how many boys are there?	32 boys
19	Look at the chart. How much cooler was Wednesday than Monday?	8°C
20	There are 400 balls in a bag, 200 green, 100 yellow and 100 blue. What is the probability of picking a blue ball? Give your answer as a fraction.	$\frac{100}{400}$ or $\frac{1}{4}$

Book 3 Test 30 Pupil Answer Sheet

Name _____

Date _____

Total Score

Five Second Questions

1

2

3 20p coins

4

5

6

7

8

Ten Second Questions

9

6:45 , 1¹/₂ hours

10

172 , 188

11

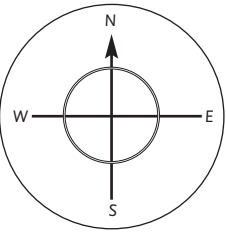
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13

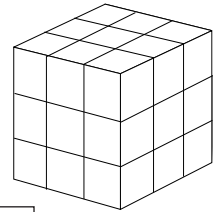
14 cubes

15 $79 + 9$ $\begin{matrix} > \\ < \\ = \end{matrix}$ 80

16 £



9008 , 3992



17

20p , 400

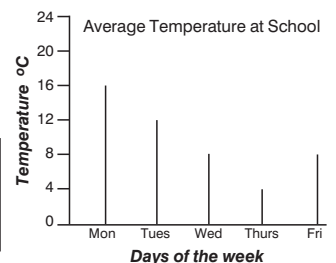
50 , 40 , 60

Fifteen Second Questions

18 boys

19 °C

20



200 green balls
100 yellow balls
100 blue balls