

**Wigan LEA
Numeracy Centre**

**Year 4 - Time Block 3
Mental Arithmetic Tests**



Produced by
Wigan Numeracy Centre
April 2001

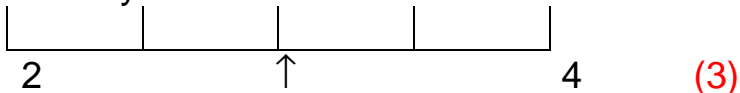
Year 4 Block 3

Test 13 (end of week 2)

I will read every question twice. In this first set you will have 5 seconds to work out the answer and record it on your answer sheet.

1. Write the number 6042. (6042)
2. What is 4 plus 7 plus 9 plus 1? (21)
3. How many more than 81 is 97? (16)
4. Make the largest number you can from 1, 5, 3, 8 (8531)
5. Round 452 kg to the nearest 10 kilograms. (450kg)
6. What is the 3rd multiple of 9? (27)
7. After a collection at school 1p coins were put into bags of 100. There were 17 bags. How many 1p coins were there altogether? (1700)
8. Write the correct sign/symbol, greater than or less than, in the empty box.
9050 8050

9. On your sheet is a scale. Write the number shown by the arrow.



10. Double 35. (70)

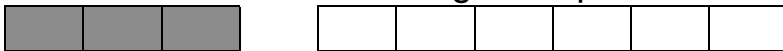
For the next set of questions you will have 10 seconds to work out the answer and record it on your answer sheet.

11. Look at the sequence of numbers on your sheet. Which 2 numbers come next?

20, 15, 10, 5, ?, ? (0, -5)

12. The pictogram on your sheet shows how many planes flew out of various airports in one hour. Each symbol of a plane stands for 10 planes. How many planes flew out of Manchester in one hour? (50)

13. What fraction of the larger shape is the smaller shape? ($\frac{1}{2}$)



14. Ring the decimal number that has the same value as $\frac{1}{2}$.

0.1 0.2 0.25 0.33 0.75

15. What is 4 multiplied by 50? (200)

YEAR 4

Mental Arithmetic Test 13

Name:

Date:

1

2 **4 7**
9 1

3 **81**
97

4 **1 5**
3 8

5 **452kg**

6

7 **1p coins** **100**
17 bags

8 **9050** **8050**

9

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2 **4**

10

11 **20 15 10 5**

12

Liverpool	→
Heathrow	→→→→→→→→
Manchester	→→→→→
Leeds	→→

→ represents 10 planes

planes

13

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.....

14

0.1	0.2	0.25
0.33	0.5	0.75

15 **4**
50

Year 4 Block 3

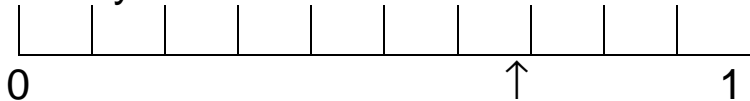
Test 14 (end of week 4)

I will read every question twice. In this first set you will have 5 seconds to work out the answer and record it on your answer sheet.

1. Write the number 7081. (7081)
2. What is the total of 8, 9 and 12? (29)
3. How many less than 77 is 36? (41)
4. Make the smallest number you can from 1, 5, 3, 8 (1358)
5. Round 547ml to the nearest 100 millilitres. (500ml)
6. What is the product of 9 and 7? (63)
7. What is 130 divided by 10? (13)
8. Write the correct sign/symbol, greater than or less than, in the empty box.

2165 3150.

9. On your sheet is a scale. Write the number shown by the arrow.



(7/10 or 0.7)

10. Double 24. (48)

For the next set of questions you will have 10 seconds to work out the answer and record it on your answer sheet.

11. David had 64p. He bought sweets costing 19p. How much did he have left? (45p)
12. Sarah left school at 3:30pm and got home 40 minutes later. What time did she get home? (4:10pm)
13. Mum bought 4 cola drinks at 60p each. How much did she spend? (£2.40)
14. Write the next number in the sequence on your sheet.
-11, -8, -5, -2,
15. How much liquid is in the jug on your sheet? (150ml)

YEAR 4

Mental Arithmetic Test 14

Name:

Date:

1	
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2		8 9 12
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3		36
----------	--	-----------

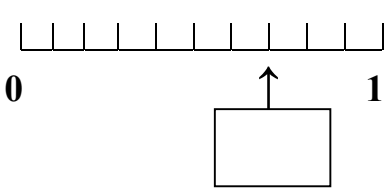
4		1 5 3 8
----------	--	--------------------------

5		547ml
----------	--	--------------

6	
----------	--

7		130
----------	--	------------

8	2165	<input type="text"/>	3150
----------	-------------	----------------------	-------------

9	
----------	---

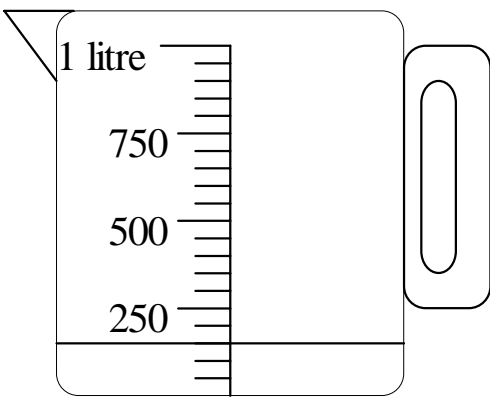
10	
-----------	--

11		19p 64p
-----------	--	--------------------------

12		3.30pm 40 mins
-----------	--	---------------------------------

13	£	60p
-----------	----------	------------

14	-11 -8 -5 -2	<input type="text"/>
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15		
	<input type="text"/>	ml

Year 4 Time Block 3

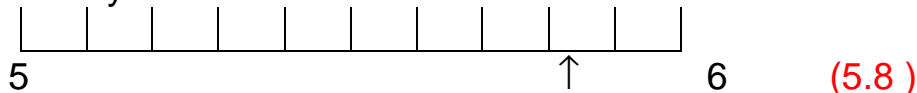
Test 16 (end of week 8)

I will read every question twice. In this first set you will have 5 seconds to work out the answer and record it on your answer sheet.

1. Write the number 7604. (7604)
2. What is 2, 7, 8 and 6 altogether? (23)
3. How many less than 68 is 42? (26)
4. Make the smallest number you can from 4, 3, 6, 1. (1346)
5. Round 605cm to the nearest 100 centimetres. (600cm)
6. James' Dad bought 9 packets of party poppers. Each box contains 8 party poppers. How many party poppers are there altogether? (72)
7. A computer disk costs 90p. What do 10 disks cost? (£9)
8. Write the correct sign/symbol, greater than or less than, in the empty box.

8761 2163

9. On your sheet is a scale. Write the number shown by the arrow.



10. Double 600. (1200)

For the next set of questions you will have 10 seconds to work out the answer and record it on your answer sheet.

11. Alex has 38 comics and Lisa has 35 comics. How many have they altogether? (73)
12. Playtime starts at 10:40am and finishes at 11am. How long is playtime? (20 minutes)
13. A coach journey to Bradford was 351 kilometres. How many kilometres did the coach travel in 10 journeys? (3510 km)
14. There are 32 children in a class. How many children are there in 3 classes? (96)
15. There are 14 pencils in a box. How many pencils are there in 5 boxes? (70)
16. From Wigan to Stoke and back is 150 miles. How far is it from Wigan to Stoke? (75 miles)
17. Share 9 dog biscuits between 2 dogs. How many does each dog get? (4½)
18. If I am facing south and I turn anti-clockwise through ½ a right angle, in what direction am I facing? (South-East)
19. Write one number that is a multiple of 2 and also a multiple of 3. (e.g. 6, 12)
20. I mix 600ml of orange juice with 900ml of lemonade. How much drink have I made altogether? (1500ml or 1 l 500ml)

YEAR 4

Mental Arithmetic Test 16

Name:

Date:

1	
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2		2 6 8 7
----------	--	--------------------------

3		42 68
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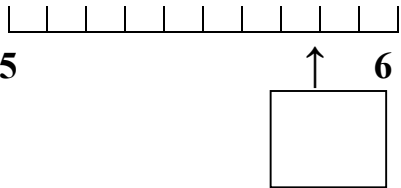
4		4 3 6 1
----------	--	--------------------------

5		605cm cm
----------	--	---------------------------

6		9 packets
----------	--	------------------

7		90p
----------	--	------------

8	8761	<input type="text"/>	2163
----------	-------------	----------------------	-------------

9	
----------	---

10	
-----------	--

11		38 comics 35 comics
-----------	--	--------------------------------------

12		10.40 am 11 am
-----------	--	---------------------------------

13		351 km km
-----------	--	----------------------------

14		32 children 3 classes children
-----------	--	---

15		14 pencils 5 boxes
-----------	--	-------------------------------------

16		150 miles miles
-----------	--	----------------------------------

17		9 dog biscuits dog biscuits
-----------	--	--

18		South ½ right angle
-----------	--	--

19		Multiple of 2 and 3
-----------	--	--------------------------------------

20		600ml 900ml
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Year 4 Time Block 3

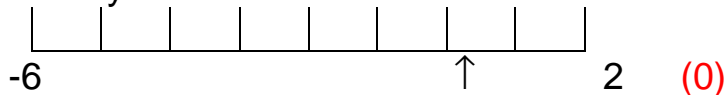
Test 17 (end of week 10)

I will read every question twice. In this first set you will have 5 seconds to work out the answer and record it on your answer sheet.

1. Write the number 9702. (9702)
2. Add together 5, 11, 4 and 3. (23)
3. 2 numbers have a difference of 17. One of the numbers is 28. What is the other? (11 or 45)
4. Write the number that is 100 more than 7910. (8010)
5. Round 867 litres to the nearest 10 litres. (870 litres)
6. What are 8 lots of 7? (56)
7. 35 children get a party bag containing 10 colour pencils. How many pencils are there altogether? (350)
8. Write the correct sign/symbol for greater than or less than in the empty box.

-17 -14

9. On your sheet is a scale. Write the number shown by the arrow.



10. Double 1400. (2800)

For the next set of questions you will have 10 seconds to work out the answer and record it on your answer sheet.

11. 160 children visited the cinema on Saturday and 170 children went on Sunday. How many went at the weekend altogether? (330)
12. Assembly starts at 9:45am and finishes at 10am. How long does it last? (15 minutes)
13. There are 79 seeds in a packet. How many will there be in 100 packets? (7900)
14. There are 36 children in a class. If they are divided up into 4 equal teams, how many are in each team? (9 children)
15. There are a dozen eggs in a box. How many eggs are in 20 boxes? (240)
16. Ring the fraction that is the same as 0.7: $\frac{7}{8}$, $\frac{1}{7}$, $\frac{7}{10}$, $\frac{10}{7}$
17. Through how many degrees will the hour hand of a clock turn if it moves from 5 o'clock to 8 o'clock? (90 degrees)
18. What is the remainder when 31 is divided by 4? (3)
19. What is the remainder when 768 is divided by 100? (68)
20. How much water is in the jug on your sheet? (400ml)

YEAR 4

Mental Arithmetic Test 17

Name:

Date:

1	
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2		5 11 4 3
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3		28
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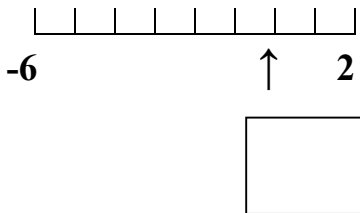
4		7910
----------	--	-------------

5		867 litres litres
----------	--	------------------------------------

6	
----------	--

7		35 pencils children
----------	--	--------------------------------------

8	-17	<input type="text"/>	-14
----------	------------	----------------------	------------

9	
----------	---

10	
-----------	--

11		160 children children 170 children
-----------	--	---

12		9.45 am 10 am
-----------	--	--------------------------------

13		79 seeds seeds
-----------	--	---------------------------------

14		36 children children 4 teams
-----------	--	---

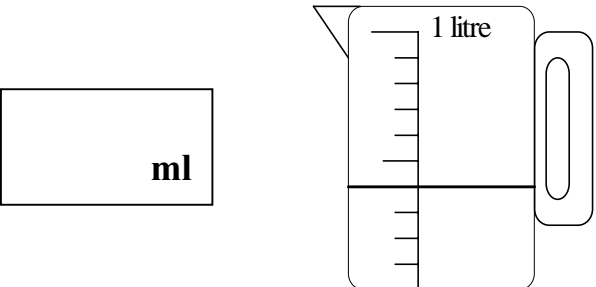
15		A dozen eggs eggs 20 boxes
-----------	--	---

16	$\frac{7}{8}$	$\frac{1}{7}$	$\frac{7}{10}$	$\frac{10}{7}$
-----------	---------------	---------------	----------------	----------------

17		5 o'clock degrees 8 o'clock
-----------	--	--

18		31 ÷ 4
-----------	--	---------------


19		768 ÷ 100
-----------	--	------------------

20	<input type="text"/>	
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Year 4 Time Block 3

Test 18 (end of week 12)

I will read every question twice. In this first set you will have 5 seconds to work out the answer and record it on your answer sheet.

1. Write the number 9090. (9090)
2. Find the sum of 6, 6, 5 and 7. (24)
3. Write 2 numbers with a difference of 12. (e.g. 0 and 12)
4. Write the number that is 100 less than 9091. (8991)
5. Round Joe's height of 115cm to the nearest 10 centimetres. (120 cm)
6. What is the 9th multiple of 8? (72)
7. A box of 100 chews cost £6. What does 1 cost? (6p)
8. Write the correct sign/symbol for greater than or less than, in the empty box.
-6 8
9. On your sheet is a scale. Write the number shown by the arrow.
 (1)
10. Double 4000. (8000)

For the next set of questions you will have 10 seconds to work out the answer and record it on your answer sheet.

11. There are 380 sweets in a large jar. How many sweets are there in 2 jars? (760)
12. Danny left home at 8:35am in order to get to school for 9:15am. How long did the journey take him? (40 minutes)
13. 976 people visited a Theme Park in one day. They each had 10 rides. How many rides altogether? (9760)
14. 3 children share 93 cubes. How many does each child get? (31)
15. How many minutes are there in 4 hours? (240 minutes)
16. Ring the fraction that is the same as 6.25. (6¼)
17. Two tickets to a football match cost £21.60. What does one ticket cost? (£10.80)
18. It is Friday 27th June. What date is it next Thursday? (3rd July)
19. If the temperature has risen by 7°C from -5°C, what is it now? (2°C)
20. I think of a number, add 5 and double that. The answer is 18. What number did I think of? (4)

YEAR 4

Mental Arithmetic Test 18

Name:

Date:

1	
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2		6 6
		5 7

3	
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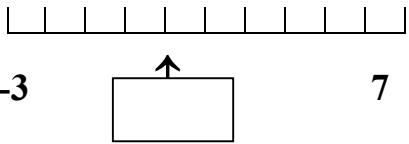
4		9091
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5		115cm
	cm	

6	
----------	--

7		£6
		100 biscuits

8	-6		8
----------	-----------	--	----------

9	
----------	---

10	
-----------	--

11		380 sweets
		2 jars

12		8.35 am
		9.15 am

13		976 people
-----------	--	-------------------

14		3 children
	cubes	93 cubes

15		4 hours
	minutes	

16	$6\frac{1}{2}$	$6\frac{1}{4}$	$6\frac{3}{4}$	$6\frac{1}{8}$
-----------	----------------------------------	----------------------------------	----------------------------------	----------------------------------

17	£	£21.60
-----------	----------	---------------

18		Friday
		27th June

19		7°C
	°C	-5°C

20		Add 5
		Double
		18