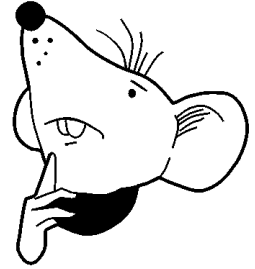
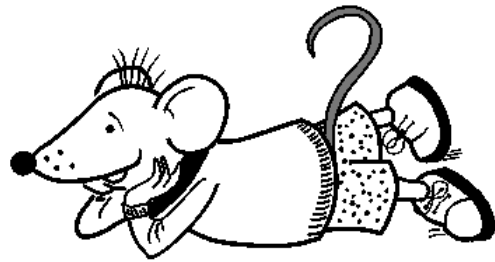
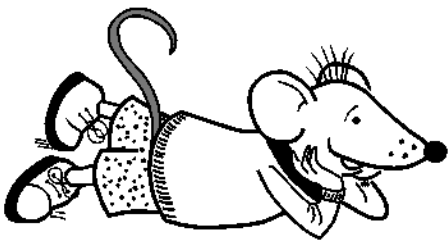


MENTAL ARITHMETIC



YEAR 4

SPRING TERM



MathSphere

MENTAL ARITHMETIC : YEAR 4 : SPRING TERM : WEEK 1

Paper 1	Answer	Paper 2	Answer
1. Write in figures the number: ten thousand and twenty.	10 020	1. Write in figures the number: eight thousand and forty three.	8 043
2. How much is 35 tens?	350	2. How much is 26 tens?	260
3. How much is 43 tens?	430	3. How much is 93 tens?	930
4. Graham is thinking of the number 276. How many hundreds does he need to add to get more than 1 000 ?	8 <i>or 8 hundreds</i>	4. Kate is thinking of the number 481. How many hundreds does she need to add to get more than 1 000 ?	6 <i>or 6 hundreds</i>
5. What is one less than 6 000 ?	5 999	5. What is one less than 3 800 ?	3 799
6. What is two less than 5 000 ?	4 998	6. What is two less than 4 700 ?	4 698
7. What is 1p less than £2 ?	£1.99	7. What is 4p less than £5 ?	£4.96
8. What is ten more than 2 458 ?	2 468	8. What is ten more than 7 835 ?	7 845
9. What is a hundred more than 562 ?	662	9. What is two hundred more than 399 ?	599
10. What is 20 less than 800 ?	780	10. What is 50 less than 720 ?	670
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 4 : SPRING TERM : WEEK 2

Paper 3	Answer	Paper 4	Answer
1. How many £1 coins make £23 ?	23	1. How many £1 coins make £37 ?	37
2. How many 10p coins make £1 ?	10	2. How many 10p coins make £4 ?	40
3. How many 10p coins are there in £6 ?	60	3. How many 10p coins are there in £9.10 ?	91
4. Find $40 \div 10$.	4	4. Find $70 \div 10$.	7
5. Calculate $100 \div 10$.	10	5. Calculate $130 \div 10$.	13
6. What is twenty six divided by two?	13	6. What is thirty eight divided by two?	19
7. Jenny thinks of a number between 65 and 72. It is a multiple of ten. What is Jenny's number?	70	7. Simon thinks of a number between 27 and 30. It is a multiple of four. What is Simon's number?	28
8. The distance from Penzance to Aberdeen is 660 miles. What is this to the nearest 100 miles?	700 mls	8. The distance from Penzance to Kendal is 704 miles. What is this to the nearest 100 miles?	700 mls
9. Which temperature is lower, -8°C or -12°C ?	-12°C	9. Which temperature is higher, -9°C or -7°C ?	-7°C
10. Which is the highest temperature: -4°C , -6°C or -3°C ?	-3°C	10. Which is the lowest temperature: -13°C , -14°C or -15°C ?	-15°C
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 4 : SPRING TERM : WEEK 3

Paper 5	Answer	Paper 6	Answer
1. What are the next three numbers in this sequence: 45, 53, 61, 69, ____, ____, ____ ?	77 85 93	1. What are the next three numbers in this sequence: 94, 98, 102, 106, ____, ____, ____ ?	110 114 118
2. What are the next three numbers in this sequence: 127, 129, 131, 133, ____, ____, ____ ?	135 137 139	2. What are the next three numbers in this sequence: 80, 85, 90, 95, ____, ____, ____ ?	100 105 110
3. Count back six from 135. What number do you come to?	129	3. Count back eight from 156. What number do you come to?	148
4. Count back five twos from 26. What number do you come to?	16	4. Count back four threes from 50. What number do you come to?	38
5. Which fraction is the same as two tenths: One half One third or One fifth?	one fifth	5. Which fraction is the same as six eighths: Three halves Three quarters or Three eighths?	three quarters
6. Is five quarters more than one whole one or less than one whole one?	More	6. Is four fifths more than one whole one or less than one whole one?	Less
7. What is one quarter of 40?	10	7. What is one fifth of 25?	5
8. What is one fifth of 40?	8	8. What is one third of 15?	5
9. How do we write one tenth as a decimal?	0.1	9. How do we write five tenths as a decimal?	0.5
10. How do we write four tenths as a decimal?	0.4	10. How do we write seven tenths as a decimal?	0.7
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 4 : SPRING TERM : WEEK 4

Paper 7	Answer	Paper 8	Answer
1. Add 750 and 50.	800	1. Add 450 and 50.	500
2. What is 6 add 8 add 22 ?	36	2. What is 19 add 11 add 52 ?	82
3. What is the biggest number you can make with the digits: 0, 2, 4, 6, 8 ?	86 420	3. What is the biggest number you can make with the digits: 0, 3, 7, 9, 9 ?	99 730
4. How many less than 40 is 23 ?	17	4. How many less than 60 is 17 ?	43
5. How many more than 25 is 40 ?	15	5. How many more than 38 is 90 ?	52
6. Double 36.	72	6. Double 27.	54
7. Double 28.	56	7. Double 43.	86
8. Add 26 and 57.	83	8. Add 36 and 52.	88
9. Subtract 19 from 124.	105	9. Subtract 39 from 165.	126
10. Subtract 29 from 240.	211	10. Subtract 99 from 371.	272
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 4 : SPRING TERM : WEEK 5

Paper 9	Answer	Paper 10	Answer
1. Add 5, 8, 4 and 6.	23	1. Add 9, 7, 2 and 5.	23
2. Add 10, 20, 3 and 8.	41	2. Add 30, 50, 4 and 6.	90
3. What is 32 less than 450 ?	418	3. What is 26 less than 390 ?	364
4. What is $45 + 23$?	68	4. What is $38 + 53$?	91
5. Mary has sixteen coloured pencils. Her Grandma gives her another fifteen for Christmas. How many does she have now?	31	5. Amin has fifteen dinosaur models. His father gives him another nineteen for his birthday. How many does he have now?	34
6. John has a pack of fifty two playing cards. He loses twenty four of them. How many does he have left?	28	6. Isabel has forty three cakes for her party. Thirty two are eaten at the party. How many does she have left?	11
7. How many pence are there in £6.89 ?	689p	7. How many pence are there in £9.84 ?	984
8. How many 10p coins make £7.20 ?	72	8. How many 10p coins make £8.60 ?	86
9. What do I need to multiply 40 by to get 320?	8	9. What do I need to multiply 30 by to get 270?	9
10. Share 60 between 4.	15	10. Share 80 between 5.	16
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 4 : SPRING TERM : WEEK 6

Paper 11	Answer	Paper 12	Answer
1. What is the quotient of 25 and 5?	5	1. What is the quotient of 24 and 6?	4
2. How many lines of symmetry does a rectangle have?	2	2. How many lines of symmetry does a square have?	4
3. Two cinema tickets cost £4.56. How much does one ticket cost?	£2.28	3. Four coach tickets cost £28.80. How much does one ticket cost?	£7.20
4. I have 56 cakes. How many boxes will I need for them if each box holds ten cakes?	6	4. I have 43 buns. How many boxes will I need for them if each box holds eight buns?	6
5. Double 460.	920	5. Double 360.	720
6. Double 380.	760	6. Double 490.	980
7. Simon spent half of the money in his bank account. If he had £23.80, how much did he spend?	£11.90	7. Kerry spent half of the money she had for her birthday. If she had £13.60, how much did he spend?	£6.80
8. If four lots of 23 is 92, what is eight lots of 23?	184	8. If four lots of 17 is 68, what is eight lots of 17?	136
9. If 6×26 is 156, what is 156 divided by 26?	6	9. If 7×36 is 252, what is 252 divided by 36?	7
10. What is 55 doubled plus 20 ?	130	10. What is 36 doubled plus 22 ?	94
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 4 : SPRING TERM : WEEK 7

Paper 13	Answer	Paper 14	Answer
1. What is 456 to the nearest 100 ?	500	1. What is 726 to the nearest 100 ?	700
2. If an even number is added to an even number, is the answer odd or even?	even	2. If an even number is subtracted from an even number, is the answer odd or even?	even
3. If an even number is added to an odd number, is the answer odd or even?	odd	3. If an even number is subtracted from an odd number, is the answer odd or even?	odd
4. If an odd number is added to an odd number, is the answer odd or even?	even	4. If an odd number is subtracted from an odd number, is the answer odd or even?	even
5. What is the missing symbol? (You may like to write this on the board or paper so it is visible.) 26 <input type="text"/> 14 = 40	+	5. What is the missing symbol? (You may like to write this on the board or paper so it is visible.) 26 <input type="text"/> 19 = 7	-
6. What is the missing symbol? (You may like to write this on the board or paper so it is visible.) 15 <input type="text"/> 4 = 60	×	6. What is the missing symbol? (You may like to write this on the board or paper so it is visible.) 28 <input type="text"/> 4 = 7	÷
7. Find the total of: 12, 5, 11 and 3	31	7. Find the total of: 8, 12, 14 and 2	36
8. Find the sum of: 10, 8, 12 and 4	34	8. Find the sum of: 20, 9, 11 and 5	45
9. Which two numbers have a product of 12 ? (You are not allowed to use the number 1 for this question!)	3 and 4 or 2 and 6	9. Which two numbers have a product of 35 ? (You are not allowed to use the number 1 for this question!)	5 and 7
10. Which two numbers have a product of 21 ? (You are not allowed to use the number 1 for this question!)	3 and 7	10. Which two numbers have a product of 18 ? (You are not allowed to use the number 1 for this question!)	2 and 9 or 3 and 6
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 4 : SPRING TERM : WEEK 8

Paper 15	Answer	Paper 16	Answer
1. How many months are there in four years?	48	1. How many months are there in six years?	72
2. How many seconds are there in two minutes?	120	2. How many seconds are there in four minutes?	240
3. How many days are there in six weeks?	42	3. How many days are there in five weeks?	35
4. How many days are there in March and April together?	61	4. How many days are there in September and October together?	61
5. A stamp costs 22p. How much change would I get from £1 if I bought two stamps?	56p	5. A catalogue costs 31p. How much change would I get from £1 if I bought two catalogues?	38p
6. A rectangle is 4cm long and 3cm wide. What is its perimeter?	14cm	6. A rectangle is 6cm long and 5cm wide. What is its perimeter?	22cm
7. What is the sixth number in this sequence: 2, 4, 6, 8	12	7. What is the tenth number in this sequence: 3, 6, 9, 12	30
8. Two boxes contain twelve cakes each and one box contains four cakes. How many cakes are there altogether?	28	8. Three packets contain ten sweets each and one packet contains seven sweets. How many sweets are there altogether?	37
9. Double 17.	34	9. Double 49.	98
10. What does the digit 7 stand for in the number 3.7 ?	7 tenths	10. What does the digit 2 stand for in the number 4.2 ?	2 tenths
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 4 : SPRING TERM : WEEK 9

Paper 17	Answer	Paper 18	Answer
1. Sam paid 15p for a rubber. He used two coins. What were the coins?	10p and 5p	1. Liam paid 45p for a model robot. He used three coins. What were the coins?	20p 20p 5p
2. A pair of sandals cost £2.50. Joan saved 50p a week to buy the sandals. How many weeks did she need to save?	5	2. A jumper cost £15.00. Mick saved 50p a week to buy the jumper. How many weeks did he need to save?	30
3. How many pence are there in £12.80 ?	1 280p	3. How many pence are there in £23.90 ?	2 390
4. I had eight apples and gave four of them away. What fraction did I give away?	$\frac{1}{2}$	4. I had twelve chocolate bars and gave three of them away. What fraction did I give away?	$\frac{1}{4}$
5. What is the quotient of 40 and 10 ?	4	5. What is the quotient of 50 and 5 ?	10
6. What is the product of 5 and 6 ?	30	6. What is the product of 6 and 11 ?	66
7. What is 12×4 ?	48	7. What is 23×4 ?	92
8. How many grams are there in one kilogram?	1 000	8. How many grams are there in four kilograms?	4 000
9. How many metres are there in one kilometre?	1 000	9. How many metres are there in six kilometres?	6 000
10. Each side of a square is 8 cm long. What is the perimeter of the square?	32 cm	10. Each side of a regular hexagon is 5 cm long. What is the perimeter of the hexagon?	30cm
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 4 : SPRING TERM : WEEK 10

Paper 19	Answer	Paper 20	Answer
1. A driver has to drive 450 miles. At lunchtime he has driven 200 miles. How much further does he have to go?	250 miles	1. A ship has to sail 1 350 kilometres. After one day it has sailed 500 Km. How much further does it have to sail?	850 Km
2. What time is 45 minutes after 8.30 ?	9.15	2. What time is 20 minutes after 12.50 ?	1.10
3. What time is twenty minutes before 6.15 ?	5.55	3. What time is fifteen minutes before 9.05 ?	8.50
4. What date is two weeks after 5th September?	19th Sept	4. What date is three weeks after 3rd June?	24th June
5. One musician played for 45 minutes. Then another played for half an hour. How many minutes did they play for altogether?	75 mins	5. One CD played for 50 minutes. Then another played for one hour. How many minutes did they play for altogether?	110 mins
6. How many metres are there in 4 kilometres?	4 000	6. How many metres are there in 8 kilometres?	8 000
7. How many centimetres are there in six and a half metres?	650	7. How many centimetres are there in four and a half metres?	450
8. How many grams make half a kilogram?	500	8. How many grams make a quarter of a kilogram?	250
9. How many years are there in a century?	100	9. How many years are there in a millennium?	1 000
10. How many hours are there in a day?	24	10. How many seconds are there in a minute?	60
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 4 : SPRING TERM : WEEK 11

Paper 21	Answer	Paper 22	Answer
1. If 5th July is a Friday, what day of the week is 13th July?	Sat	1. If 8th March is a Monday, what day of the week is 18th March?	Thur
2. If 30th October is a Monday, what day of the week is 2nd November?	Thur	2. If 30th April is a Wednesday, what day of the week is 5th May?	Monday
3. Buses arrive every twenty minutes. One bus arrives at 4.40 p.m. At what time does the next bus arrive?	5.00 p.m.	3. Trains arrive every quarter of an hour. One train arrives at 9.45 a.m. At what time does the next train arrive?	10.00 a.m.
4. I face east. I turn one right angle clockwise. Which direction am I facing now?	South	4. I face south. I turn one right angle anti-clockwise. Which direction am I facing now?	East
5. How many degrees are there in a right angle?	90	5. How many degrees are there in three right angles?	270
6. Draw a tally for a score of seven.	 //	6. Draw a tally for a score of eleven.	 /
7. Add 72 and 50.	122	7. Add 98 and 10.	108
8. Subtract 20 from 67.	47	8. Subtract 40 from 97.	57
9. Find the total of 34 and 9.	43	9. Find the total of 45 and 15.	60
10. Find the difference between 45 and 69.	24	10. Find the difference between 57 and 77.	20
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 4 : SPRING TERM : WEEK 12

Paper 23	Answer	Paper 24	Answer
1. Double 45 and add 10.	100	1. Double 36 and add 20.	92
2. Find one half of 46.	23	2. Find one half of 86.	43
3. Share 48 between four.	12	3. Share 50 between five.	10
4. I face west. I turn one right angle clockwise. Which direction am I facing now?	north	4. I face north. I turn two right angles clockwise. Which direction am I facing now?	south
5. Find $4\,998 + 2$.	5\,000	5. Find $6\,798 + 3$.	6\,801
6. Add the following numbers: 2, 4, 7, 2 and 5	20	6. Add the following numbers: 5, 5, 4, 4 and 6	24
7. If $56 + 78 = 134$, what is $134 - 78$?	56	7. If $37 + 58 = 95$, what is $95 - 58$?	37
8. What fraction of 12 is 6 ?	$\frac{1}{2}$	8. What fraction of 20 is 10 ?	$\frac{1}{2}$
9. How many pence are there in £40 ?	4\,000	9. How many pence are there in £60 ?	6\,000
10. How many pence are there in one half of £1 ?	50	10. How many pence are there in one quarter of £1 ?	25
Comment:		Comment:	