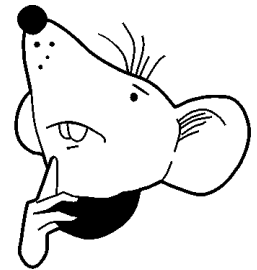
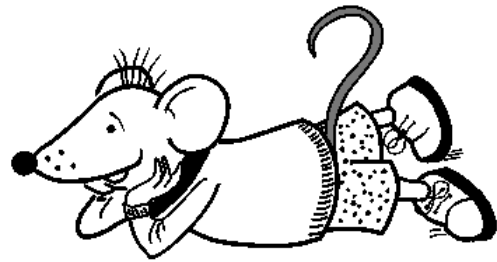
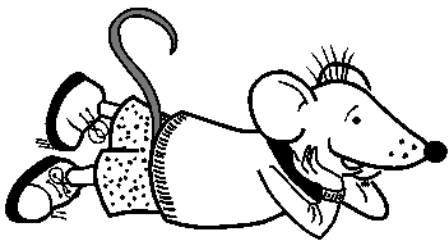


MENTAL ARITHMETIC



YEAR 3

AUTUMN TERM



MathSphere

MENTAL ARITHMETIC : YEAR 3 : AUTUMN TERM : WEEK 1

Paper 1	Answer	Paper 2	Answer
1. What number is one more than 274?	275	1. What number is one more than 236?	237
2. What number is one more than 399?	400	2. What number is one more than 499?	500
3. What number is ten more than 541?	551	3. What number is ten more than 423?	433
4. What number is 10 less than 577?	567	4. What number is 10 less than 633?	623
5. Count on 5 from 168.	173	5. Count on 5 from 148.	153
6. Count on 6 from 188.	194	6. Count on 6 from 159.	165
7. Round 33 to the nearest whole ten.	30	7. Round 44 to the nearest whole ten.	40
8. Round 66 to the nearest whole ten.	70	8. Round 77 to the nearest whole ten.	80
9. Round 420 to the nearest whole hundred.	400	9. Round 570 to the nearest whole hundred.	600
10. Round 309 to the nearest whole hundred.	300	10. Round 390 to the nearest whole hundred.	400
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 3 : AUTUMN TERM : WEEK 2

Paper 3	Answer	Paper 4	Answer
1. What is one more than 599?	600	1. What is one more than 699?	700
2. What is one less than 300?	299	2. What is one less than 400?	399
3. What number is ten after 290?	300	3. What number is ten after 190?	200
4. What number is ten after 590?	600	4. What number is ten after 390?	400
5. Round 76 to the nearest whole ten.	80	5. Round 81 to the nearest whole ten.	80
6. Round 177 to the nearest whole hundred.	200	6. Round 607 to the nearest whole hundred.	600
7. Add 10 to 196.	206	7. Add 10 to 291.	301
8. Add 50 to 17.	67	8. Add 50 to 19.	69
9. What is 30 plus 80?	110	9. What is 40 plus 90?	130
10. What is 20 plus 90?	110	10. What is 50 plus 70?	120
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 3 : AUTUMN TERM : WEEK 3

Paper 5	Answer	Paper 6	Answer
1. What is the sum of 37 and 9?	46	1. What is the sum of 42 and 9?	51
2. What is the sum of 28 and 9?	37	2. What is the sum of 57 and 9?	66
3. What is 193 add 9?	202	3. What is 294 add 10?	304
4. What is 295 add 10?	305	4. What is 392 add 10?	402
5. Take 7 from 25.	18	5. Take 8 from 24.	16
6. Take 9 from 37.	28	6. Take 9 from 38.	29
7. 28 take 9.	19	7. 24 take 9.	15
8. 33 take 9.	24	8. 36 take 9.	27
9. What is ten less than 148?	138	9. What is ten less than 168?	158
10. What is ten less than 200?	190	10. What is ten less than 300?	290
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 3 : AUTUMN TERM : WEEK 4

Paper 7	Answer	Paper 8	Answer
1. How many are 15 and 35 altogether?	50	1. How many are 45 and 15 altogether?	60
2. How many are 17 and 23 altogether?	40	2. How many are 33 and 27 altogether?	60
3. What must I add to 20 to make 100.	80	3. What must I add to 40 to make 100.	60
4. What must I add to 90 to make 100.	10	4. What must I add to 80 to make 100.	20
5. Take 9 from 50.	41	5. Take 9 from 60.	51
6. Take 9 from 100.	91	6. Take 9 from 200.	191
7. How many less than 49 is 30?	19	7. How many less than 59 is 30?	29
8. How many less than 53 is 20?	33	8. How many less than 61 is 20?	41
9. What is 100 less than 400?	300	9. What is 100 less than 500?	400
10. What is 100 less than 432?	332	10. What is 100 less than 541?	441
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 3 : AUTUMN TERM : WEEK 5

Paper 9	Answer	Paper 10	Answer
1. What is half of 10?	5	1. What is half of 20?	10
2. What is half of 18?	9	2. What is half of 16?	8
3. What is one tenth of 20?	2	3. What is one tenth of 30?	3
4. What is one tenth of 50?	5	4. What is one tenth of 60?	6
5. A bar of chocolate has been divided into 10 equal parts. What fraction is one part?	$\frac{1}{10}$	5. A cake has been cut into 10 equal slices. What fraction is one slice?	$\frac{1}{10}$
6. A pizza has been cut into 4 equal slices. What fraction is one slice?	$\frac{1}{4}$	6. A grapefruit has been cut into 2 equal pieces. What fraction is one piece?	$\frac{1}{2}$
7. What number is half way between 1 and 2?	$1\frac{1}{2}$	7. What number is half way between 3 and 4?	$3\frac{1}{2}$
8. What number is half way between 5 and 6?	$5\frac{1}{2}$	8. What number is half way between 7 and 8?	$7\frac{1}{2}$
9. What is a quarter of 8 chocolates?	2	9. What is a quarter of 4 apples?	1
10. What is a quarter of 12p?	3p	10. What is a quarter of 16p?	4
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 3 : AUTUMN TERM : WEEK 6

Paper 11	Answer	Paper 12	Answer
1. Two pieces of string are 45cm and 35cm long. What is their total length?	80 cm	1. Two pieces of string are 38cm and 42cm long. What is their total length?	80 cm
2. A roll of tape was 6 metres long. How much tape would there be in two rolls?	12 m	2. A roll of tape was 7 metres long. How much tape would there be in two rolls?	14 m
3. An egg weighs about 50g. About how much would two eggs weigh?	100g	3. An egg weighs about 50g. About how much would four eggs weigh?	200g
4. An apple weighs about 100g. About how much would three apples weigh?	300g	4. An apple weighs about 100g. About how much would five apples weigh?	500g
5. What number is half way between 30 and 50?	40	5. What number is half way between 50 and 70?	60
6. What is one tenth of 40?	4	6. What is one tenth of 70?	7
7. I think of a number and subtract 12. The answer is 20. What is my number?	32	7. I think of a number and subtract 11. The answer is 40. What is my number?	51
8. I think of a number and subtract 15. The answer is 40. What is my number?	55	8. I think of a number and subtract 20. The answer is 50. What is my number?	70
9. A box holds 50 pencils. How many are left in the box if 20 are taken out?	30	9. A box holds 50 pencils. How many are left in the box if 25 are taken out?	25
10. A packet has 60 sweets in it. How many are left if 30 are taken out?	30	10. A packet has 60 sweets in it. How many are left if 20 are taken out?	40
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 3 : AUTUMN TERM : WEEK 7

Paper 13	Answer	Paper 14	Answer
1. Count on 6 from 129.	135	1. Count on 7 from 118.	125
2. Count on 7 from 117.	124	2. Count on 6 from 126.	132
3. Count back 6 from 104.	98	3. Count back 7 from 102.	95
4. Count back 8 from 127.	119	4. Count back 8 from 136.	128
5. Count on 40 from 38.	78	5. Count on 50 from 39.	89
6. Count on 40 from 260.	300	6. Count on 50 from 350.	400
7. Count back 40 from 220.	180	7. Count back 40 from 130.	90
8. Count back 50 from 130.	80	8. Count back 50 from 230.	180
9. Is 76 an odd or even number?	even	9. Is 43 an odd or even number?	odd
10. Is 105 an odd or even number?	odd	10. Is 241 an odd or even number?	odd
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 3 : AUTUMN TERM : WEEK 8

Paper 15	Answer	Paper 16	Answer
1. What are two tens?	20	1. What are five tens?	50
2. What are two fives?	10	2. What are eight fives?	40
3. What is 6 multiplied by 2?	12	3. What is 4 multiplied by 2?	8
4. What is 9 multiplied by 2?	18	4. What is 7 multiplied by 2?	14
5. How many fives make 20?	4	5. How many fives make 25?	5
6. How many fives make 30?	6	6. How many fives make 40?	8
7. How many £2 coins do you get for £10?	5	7. How many £2 coins do you get for £20?	10
8. How many 50p coins do you get for £2?	4	8. How many 50p coins do you get for £3?	6
9. How many 2p coins do you get for 20p?	10	9. How many 2p coins do you get for 24p?	12
10. How many 5p coins do you get for 25p?	5	10. How many 5p coins do you get for 20p?	4
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 3 : AUTUMN TERM : WEEK 9

Paper 17	Answer	Paper 18	Answer
1. Share 8 by 2.	4	1. Share 10 by 2.	5
2. Share 16 by 2.	8	2. Share 20 by 2.	10
3. What is one tenth of 40?	4	3. What is one tenth of 20?	2
4. What is one tenth of 30?	3	4. What is one tenth of 60?	6
5. An apple has been divided into four equal parts. What fraction is one part?	$\frac{1}{4}$	5. An orange has been divided into three equal parts. What fraction is one part?	$\frac{1}{3}$
6. A large bottle of lemonade has been poured into 10 equal glasses. What fraction of the whole bottle is one glass?	$\frac{1}{10}$	6. A jelly has been divided into 5 equal dishes. What fraction of the whole jelly is one dish?	$\frac{1}{5}$
7. What number is half way between 4 and 5?	$4\frac{1}{2}$	7. What number is half way between 8 and 9?	$8\frac{1}{2}$
8. What number is half way between 12 and 13?	$12\frac{1}{2}$	8. What number is half way between 11 and 12?	$11\frac{1}{2}$
9. How many quarters make one whole one?	4	9. How many halves make one whole one?	2
10. How many fifths make one whole one?	5	10. How many tenths make one whole one?	10
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 3 : AUTUMN TERM : WEEK 10

Paper 19	Answer	Paper 20	Answer
1. What is half of 24?	12	1. What is half of 28?	14
2. What is half of 30?	15	2. What is half of 40?	20
3. Divide 8 by 4.	2	3. Divide 6 by 3.	2
4. Divide 10 by 5.	2	4. Divide 10 by 2.	5
5. How many fives make 20?	4	5. How many fives make 30?	6
6. How many twos make 12?	6	6. How many twos make 20?	10
7. Alan has 5 stickers. Joni has three times as many. How many stickers has Joni got?	15	7. Andy has 30 stickers. Duncan has half as many. How many stickers has Duncan got?	15
8. There are ten stamps in a row. Nadia has 4 rows. How many stamps does she have?	40	8. There are ten stamps in a row. Sandra has 5 rows. How many stamps does she have?	50
9. 20 sweets were shared equally between 4 children. How many did they get each?	5	9. 25 sweets were shared equally between 5 children. How many did they get each?	5
10. How many tens make 60?	6	10. How many tens make 80?	8
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 3 : AUTUMN TERM : WEEK 11

Paper 21	Answer	Paper 22	Answer
1. What is the sum of 24 and 9?	33	1. What is the sum of 17 and 9?	26
2. What is the sum of 27 and 9?	36	2. What is the sum of 34 and 9?	43
3. What is the total of 50 and 80?	130	3. What is the total of 60 and 70?	130
4. What is the total of 60 and 90?	150	4. What is the total of 70 and 90?	160
5. What must I add to 3 to make 20?	17	5. What must I add to 6 to make 20?	14
6. What must I add to 7 to make 20?	13	6. What must I add to 9 to make 20?	11
7. How many less than 50 is 30?	20	7. How many less than 40 is 10?	30
8. How many less than 90 is 60?	30	8. How many less than 80 is 40?	40
9. How many more than 3 is 45?	42	9. How many more than 3 is 36?	33
10. How many more than 6 is 49?	43	10. How many more than 6 is 58?	52
Comment:		Comment:	

MENTAL ARITHMETIC : YEAR 3 : AUTUMN TERM : WEEK 12

Paper 23	Answer	Paper 24	Answer
1. 6 plus 4 plus 8.	18	1. 7 plus 3 plus 9.	19
2. 2 plus 7 plus 3.	12	2. 25 plus 7 plus 5.	37
3. How many altogether are 13, 7 and 2?	22	3. How many altogether are 15, 5 and 2?	22
4. How many altogether are 11, 9 and 1?	21	4. How many altogether are 16, 4 and 1?	21
5. What is the sum of 14, 6 and 2?	22	5. What is the sum of 17, 3 and 2?	22
6. What is the sum of 12, 8 and 3?	23	6. What is the sum of 18, 2 and 3?	23
7. Jan went out to play at 4.30. She played for 20 minutes. What time did she finish?	4.50 (or 10 to 5)	7. Jack went out to play at 5.30. He played for 15 minutes. What time did he finish?	5.45 (or quarter to six)
8. Gary started flying his kite at half past two. He flew it for 40 minutes. What time did he finish?	Ten past 3 (or 3.10)	8. Holly started flying her kite at two o'clock. She flew it for 50 minutes. What time did she finish?	2.50 (or ten to three)
9. What is 100 less than 154?	54	9. What is 100 less than 177?	77
10. What is 100 less than 124?	24	10. What is 100 less than 188?	88
Comment:		Comment:	