



**BRAIN GYM**  
Pace



1234

Time Taken

Add

Less

9 times



A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
18	23	75	40	93	16	36	70	28	94	
30	15	13	85	24	97	18	45	40	57	
79	90	-48	23	50	62	27	-67	95	63	
21	34	56	71	65	-80	42	81	19	-82	4 mins
84	52	-39	64	16	31	89	-32	83	41	Marks
96	79	67	19	38	-75	70	94	61	-70	
83	56	-80	26	87	56	61	-53	47	58	
12	68	21	97	91	-23	81	17	12	-39	
										10



**Multiplication**

Time

Marks

/ 30

1	$71 \times 2 =$	11	$26 \times 5 =$	21	$16 \times 6 =$
2	$25 \times 7 =$	12	$77 \times 9 =$	22	$38 \times 2 =$
3	$40 \times 4 =$	13	$12 \times 4 =$	23	$40 \times 7 =$
4	$13 \times 8 =$	14	$48 \times 7 =$	24	$63 \times 5 =$
5	$67 \times 3 =$	15	$53 \times 8 =$	25	$82 \times 9 =$
6	$85 \times 5 =$	16	$62 \times 5 =$	26	$54 \times 6 =$
7	$90 \times 6 =$	17	$31 \times 8 =$	27	$10 \times 8 =$
8	$39 \times 2 =$	18	$90 \times 9 =$	28	$79 \times 4 =$
9	$58 \times 3 =$	19	$74 \times 3 =$	29	$23 \times 2 =$
10	$41 \times 6 =$	20	$25 \times 4 =$	30	$47 \times 3 =$



(3d 3r)

1	2	3	4	5	6	7	8	9	10	Marks	Time
										10	

## Lesson 1

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
23	12	22	25	31	55	41	63	51	34	
51	15	10	-15	52	32	52	21	25	50	3 mins
25	22	55	34	15	10	-32	-12	-60	15	Marks
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
17	13	42	81	14	43	22	54	34	16	
72	86	-20	18	55	56	75	25	-23	32	3 mins
-21	-75	56	-73	-18	-78	-60	10	87	51	Marks
										10

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	Time
69	24	74	50	18	52	36	91	83	10	
38	60	36	92	76	89	70	28	50	63	3 mins
70	95	-98	36	20	-64	21	40	-61	49	Marks
21	37	52	74	53	17	98	63	14	27	10



## Division


Marks

/ 30


1	$138 \div 6 =$	11	$574 \div 7 =$	21	$415 \div 5 =$
2	$177 \div 3 =$	12	$207 \div 9 =$	22	$288 \div 9 =$
3	$672 \div 8 =$	13	$288 \div 6 =$	23	$438 \div 6 =$
4	$399 \div 7 =$	14	$490 \div 5 =$	24	$64 \div 2 =$
5	$134 \div 2 =$	15	$388 \div 4 =$	25	$752 \div 8 =$
6	$423 \div 9 =$	16	$160 \div 5 =$	26	$297 \div 9 =$
7	$108 \div 6 =$	17	$648 \div 9 =$	27	$504 \div 7 =$
8	$568 \div 8 =$	18	$384 \div 6 =$	28	$276 \div 6 =$
9	$380 \div 4 =$	19	$172 \div 4 =$	29	$184 \div 8 =$
10	$290 \div 5 =$	20	$504 \div 7 =$	30	$57 \div 3 =$



**Speed Writing**



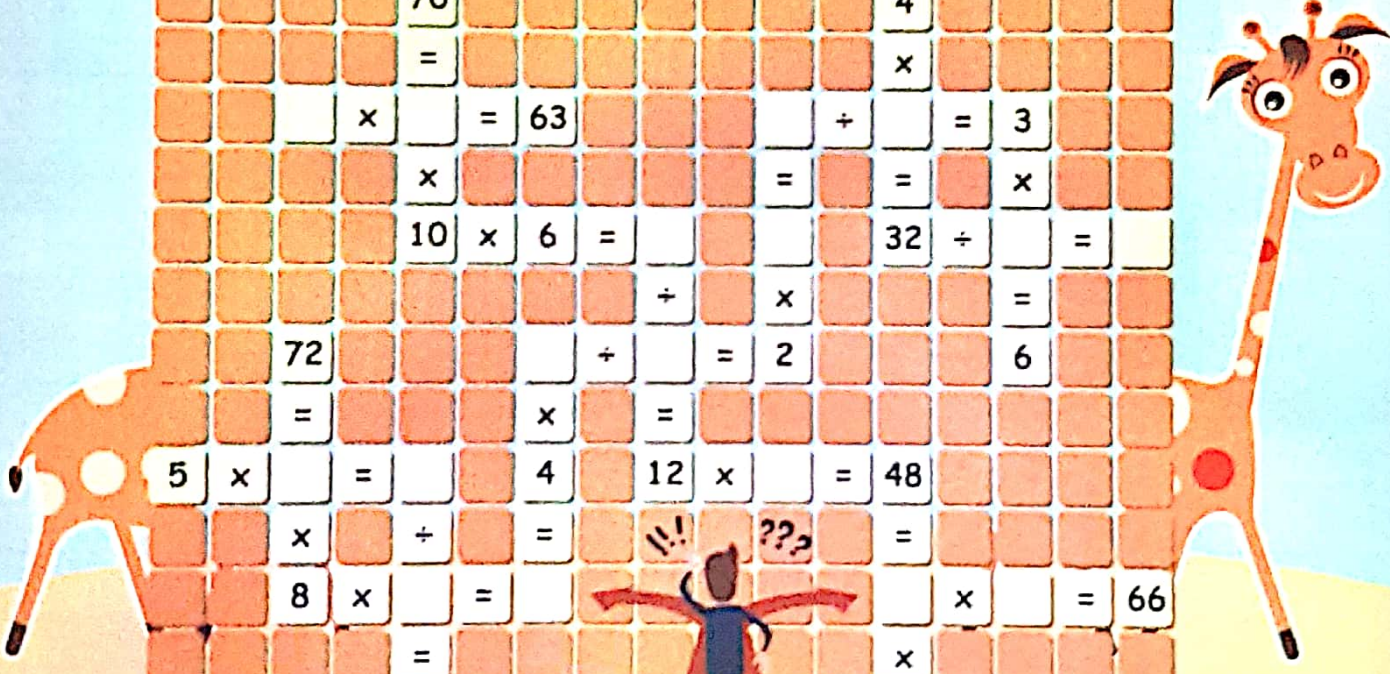

**Challenge Corner**  
Try to Less the Number 46 continuously from 1000.



**Circular Sums**

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
235	768	751	623	627	429	782	968	871	739	
112	121	136	126	160	-312	-671	-716	-620	-627	3 mins
101	110	112	150	200	-101	-111	-102	143	352	Marks
										10

**Complete the multiplication and division puzzle**

70      4

=      x

x      = 63      +      = 3

x      =      =      x

10 x 6 =      32 ÷      =

÷      x      =

72      ÷      = 2      6

=      x      =

5 x      =      4      12 x      = 48



x      ÷      =      !!      ??      =

8 x      =      x      = 66


=      x

9      8

**Divisibility Rule for 2**

A number is divisible by 2, if the last digit is 0, 2, 4, 6 or 8.  
To find out whether it is divisible by 2, just see the last digit.  
For example in 438 the last digit is 8, which is even and divisible by 2 (2 x 4 = 8).  
Therefore 438 is divisible by 2.



**BRAIN GYM**  
Foundation Level 4



Consecutive

1+2+ ... +50	Time Taken	
	Add	Less

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
12	47	76	54	37	23	70	93	52	18	
68	83	12	63	42	68	41	58	94	30	
35	-92	80	15	29	19	53	-47	23	46	
70	65	93	-80	58	42	69	71	65	52	4 mins
94	-31	51	26	70	70	32	-36	18	74	Marks
57	49	28	-47	13	93	84	12	60	27	
61	-20	19	39	54	61	27	-20	47	41	
89	16	64	-28	67	54	18	49	89	63	
										10

Marks /10



**Multiplication**

Time

Marks /20

Marks /10

2d x 1d

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

1	26 x 2 =	11	66 x 5 =
2	30 x 7 =	12	18 x 9 =
3	81 x 4 =	13	86 x 4 =
4	52 x 8 =	14	45 x 7 =
5	39 x 3 =	15	30 x 8 =
6	15 x 5 =	16	37 x 4 =
7	96 x 6 =	17	15 x 2 =
8	45 x 2 =	18	60 x 7 =
9	73 x 3 =	19	29 x 8 =
10	29 x 6 =	20	72 x 9 =

2 steps

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



(1d 16r)

1	2	3	4	5	6	7	8	9	10	Marks	Time
										10	

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
89	72	32	13	25	12	43	63	77	13	
-75	16	15	61	13	76	52	52	-25	21	3 mins
30	-53	52	15	51	-32	-80	10	31	55	Marks
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
68	21	36	53	69	73	41	84	51	23	
10	53	12	45	-18	26	56	-53	30	61	3 mins
21	15	50	-76	30	-84	-32	62	17	-22	Marks
										10

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	Time
27	39	61	78	92	54	69	70	61	82	
98	27	30	64	16	80	72	54	93	10	3 mins
56	60	85	20	38	91	83	-61	80	46	Marks
30	-86	72	-95	40	73	50	98	24	79	10

Marks /10



Division

Marks /20

Marks /10

2d x 1d

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

1	$177 \div 3 =$
2	$648 \div 8 =$
3	$261 \div 3 =$
4	$582 \div 6 =$
5	$623 \div 7 =$
6	$182 \div 2 =$
7	$204 \div 4 =$
8	$688 \div 8 =$
9	$171 \div 3 =$
10	$178 \div 2 =$

11	$256 \div 4 =$
12	$192 \div 6 =$
13	$133 \div 7 =$
14	$154 \div 2 =$
15	$475 \div 5 =$
16	$184 \div 2 =$
17	$144 \div 3 =$
18	$138 \div 2 =$
19	$228 \div 4 =$
20	$465 \div 5 =$

Division

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
10	63	80	13	92	78	42	57	30	71	
27	17	13	72	18	20	60	82	92	43	
85	40	26	60	43	-64	93	-34	65	-62	
78	92	-71	49	70	85	18	60	18	80	3 mins
43	35	45	26	59	-42	51	-48	71	-29	Marks
61	71	68	91	26	17	36	71	24	18	
59	24	-39	57	31	-21	74	-56	86	-36	
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
57	90	64	80	27	63	70	56	89	13	
40	61	20	73	19	50	29	18	70	59	
-29	74	97	-15	64	87	43	20	65	40	2 mins
13	52	18	46	80	94	-87	34	-92	57	Marks
										10

Multiplication		Time	1 min	Marks	/20
1	$48 \times 5 =$	11	$81 \times 5 =$		
2	$31 \times 3 =$	12	$32 \times 4 =$		
3	$84 \times 6 =$	13	$70 \times 8 =$		
4	$10 \times 4 =$	14	$91 \times 6 =$		
5	$57 \times 2 =$	15	$43 \times 6 =$		
6	$93 \times 5 =$	16	$85 \times 7 =$		
7	$64 \times 3 =$	17	$69 \times 2 =$		
8	$29 \times 2 =$	18	$13 \times 5 =$		
9	$16 \times 7 =$	19	$27 \times 9 =$		
10	$59 \times 4 =$	20	$80 \times 3 =$		

Division		Time	2 mins	Marks	/20
1	$651 \div 7 =$	11	$425 \div 5 =$		
2	$260 \div 4 =$	12	$392 \div 4 =$		
3	$378 \div 6 =$	13	$552 \div 6 =$		
4	$261 \div 3 =$	14	$87 \div 3 =$		
5	$344 \div 8 =$	15	$423 \div 9 =$		
6	$138 \div 6 =$	16	$126 \div 2 =$		
7	$475 \div 5 =$	17	$574 \div 7 =$		
8	$532 \div 7 =$	18	$195 \div 3 =$		
9	$567 \div 9 =$	19	$490 \div 5 =$		
10	$152 \div 4 =$	20	$624 \div 8 =$		



1	2	3	4	5	6	7	8	9	10	Marks	Time
											2 mins
										10	

(2d 4r)



1234

15 times	Time Taken	
	Add	Less

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
79	65	98	36	72	46	57	19	60	82	
46	27	35	78	96	39	16	83	72	34	
18	43	-84	91	87	50	-42	62	18	49	
-63	50	21	40	-10	27	90	74	-93	70	4 mins
50	91	-70	23	59	14	-78	80	54	68	Marks
-37	62	52	37	-64	76	23	57	-29	25	
91	84	67	14	38	38	-51	61	86	91	
-24	18	36	59	-23	61	84	25	-47	36	
										10



Multiplication

Time  Marks  / 20

Marks  / 20

1	45 x 4 =	11	39 x 7 =
2	79 x 3 =	12	46 x 6 =
3	16 x 9 =	13	72 x 4 =
4	20 x 2 =	14	91 x 5 =
5	36 x 7 =	15	84 x 3 =
6	99 x 4 =	16	21 x 8 =
7	42 x 5 =	17	33 x 2 =
8	17 x 3 =	18	74 x 9 =
9	23 x 9 =	19	86 x 8 =
10	63 x 2 =	20	15 x 6 =

1		1	
2		2	
3		3	
4		4	
5		5	
6		6	
7		7	
8		8	
9		9	
10		10	

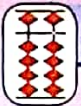


1	2	3	4	5	6	7	8	9	10	Marks	Time
										10	

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
89	64	21	98	12	23	35	84	76	91	
-36	-52	60	-73	51	50	12	-53	-23	-60	3 mins
21	35	15	14	26	11	51	21	85	53	Marks
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
86	53	79	23	12	36	81	95	41	13	
-71	16	-64	70	31	12	17	-30	52	21	3 mins
32	-47	50	-12	51	-27	-56	24	-83	55	Marks
										10

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	Time
61	34	78	95	67	23	85	10	41	62	
70	68	19	24	38	65	90	69	73	19	3 mins
94	20	30	-76	90	41	17	38	25	80	Marks
32	57	61	10	45	70	36	-45	80	94	10



Division

Marks / 20

1	$172 \div 2 =$	11	$552 \div 6 =$
2	$686 \div 7 =$	12	$304 \div 4 =$
3	$324 \div 9 =$	13	$26 \div 2 =$
4	$288 \div 6 =$	14	$504 \div 6 =$
5	$392 \div 4 =$	15	$168 \div 3 =$
6	$180 \div 4 =$	16	$456 \div 8 =$
7	$686 \div 7 =$	17	$360 \div 5 =$
8	$324 \div 9 =$	18	$146 \div 2 =$
9	$177 \div 3 =$	19	$621 \div 9 =$
10	$425 \div 5 =$	20	$511 \div 7 =$


How many am I?

1. I am a three digit number.
2. I am an odd number.
3. I am divisible by 5.
4. Each of my digits is different.
5. My digits add up to 8.
6. The tens digit is smaller than the hundreds digit.
7. I am less than 300.
8. I have only one even digit.

Try to solve using the given order.








Consecutive

		Time Taken	
		Add	Less
1+2+ ... +60			



Try to Less the Number 46 continuously from 1000.

Challenge Corner

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
16	58	37	25	62	49	18	73	28	91	
43	23	52	47	80	73	52	10	49	30	
70	91	-64	18	35	68	43	-21	56	42	
29	46	80	69	18	-15	79	86	10	-76	4 mins
85	72	-95	70	54	97	64	-92	37	51	Marks
37	80	46	53	76	-81	90	54	91	-84	
52	17	-28	82	47	30	25	-37	85	29	
94	35	13	96	21	-56	37	28	63	-47	
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
12	45	32	68	24	98	16	73	47	39	
30	52	15	-53	50	-76	22	-61	-32	50	
56	-61	50	24	15	25	10	32	21	-72	3 mins
										Marks
										10

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	Time
56	12	83	41	26	54	67	81	32	22	
21	60	16	58	10	30	12	16	50	15	
-65	21	-94	-79	51	15	-28	-75	16	11	3 mins
										Marks
										10

D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	Time
29	70	43	82	79	97	16	95	37	85	
58	46	91	50	31	30	45	26	15	20	
-34	59	78	64	25	62	70	10	40	16	3 mins
70	13	50	-23	80	18	53	-49	82	73	Marks
										10



**BRAIN GYM**  
Pace



2345

Time Taken

Add

Less

9 times



Just in a Minute

123

Add  
(30 seconds)

Less  
(30 seconds)

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
53	80	42	39	16	27	61	79	24	71	
62	24	97	57	23	56	23	63	91	58	
19	-73	36	60	89	13	90	-42	58	73	
40	65	80	-43	71	80	58	15	73	54	4 mins
27	-49	73	84	40	94	26	-38	10	67	Marks
98	81	64	-95	37	25	74	90	46	32	
36	-92	19	26	98	71	87	-84	39	86	
75	18	25	-18	14	48	15	27	85	90	
										10



**Multiplication**

Time

Marks

/ 30

1	$92 \times 8 =$	11	$98 \times 6 =$	21	$64 \times 6 =$
2	$24 \times 6 =$	12	$76 \times 4 =$	22	$12 \times 9 =$
3	$19 \times 4 =$	13	$38 \times 9 =$	23	$73 \times 5 =$
4	$30 \times 3 =$	14	$25 \times 7 =$	24	$52 \times 4 =$
5	$27 \times 5 =$	15	$12 \times 3 =$	25	$48 \times 9 =$
6	$68 \times 9 =$	16	$81 \times 7 =$	26	$24 \times 3 =$
7	$93 \times 7 =$	17	$39 \times 4 =$	27	$30 \times 6 =$
8	$17 \times 8 =$	18	$42 \times 3 =$	28	$79 \times 7 =$
9	$49 \times 2 =$	19	$23 \times 8 =$	29	$17 \times 5 =$
10	$23 \times 5 =$	20	$16 \times 2 =$	30	$62 \times 8 =$



(3d 3r)

1	2	3	4	5	6	7	8	9	10	Marks	Time
										10	

Lesson 2

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
78	96	35	63	46	86	59	31	87	96	
-63	-81	10	-12	-25	-71	20	56	-62	-45	3 mins
24	53	52	35	17	34	-18	12	13	27	Marks
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
31	73	21	95	60	48	78	53	86	72	
12	21	50	-65	28	-37	-65	21	-65	15	3 mins
56	-14	13	18	-73	50	31	10	73	-60	Marks
										10

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	Time
93	10	79	84	27	90	86	14	72	93	
41	56	23	47	50	23	73	59	38	50	3 mins
-87	38	70	-15	98	41	52	80	-49	78	Marks
50	72	46	20	61	15	-40	23	60	12	10



Division

Marks / 30

1	$116 \div 2 =$	11	$174 \div 3 =$	21	$194 \div 2 =$
2	$344 \div 4 =$	12	$828 \div 9 =$	22	$534 \div 6 =$
3	$574 \div 7 =$	13	$450 \div 6 =$	23	$651 \div 7 =$
4	$234 \div 6 =$	14	$632 \div 8 =$	24	$265 \div 5 =$
5	$375 \div 5 =$	15	$245 \div 7 =$	25	$372 \div 4 =$
6	$639 \div 9 =$	16	$84 \div 6 =$	26	$600 \div 8 =$
7	$588 \div 7 =$	17	$288 \div 8 =$	27	$582 \div 6 =$
8	$192 \div 3 =$	18	$819 \div 9 =$	28	$511 \div 7 =$
9	$105 \div 5 =$	19	$63 \div 3 =$	29	$146 \div 2 =$
10	$384 \div 4 =$	20	$290 \div 5 =$	30	$485 \div 5 =$



Speed  
Writing



Try to Less the Number 55  
continuously from 1000.

Circular  
Sums



A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
252	786	724	765	671	631	748	811	736	776	
765	-232	230	-340	-231	-420	-334	144	-423	-364	3 mins
504	740	-304	521	508	344	241	-243	246	243	Marks
										10

### Tick the right answer

1

An aeroplane covered 305 kms in one hour. What is the total distance covered by the plane in 4 hours?

- 1220    1330    1200    None

2

If a notebook has 210 pages. How many pages will 8 note books have?

- 1860    1680    1760    None

3

The cost of one cricket bat is Rs.408/-. Find out the cost of 6 such bats.

- 3224    2432    2342    None

4

One box contains 103 packets of chocolate. How many packets would there be in 9 boxes?

- 9027    927    279    None



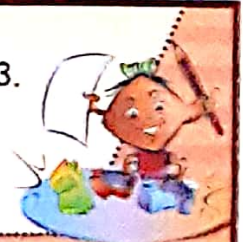
### Divisibility Rule for 3

3

A number is divisible by 3, if the sum of the digits is divisible by 3.

Let's take 723. If we add all the digits in the number ( $7 + 2 + 3 = 12$ ), then the sum is divisible by 3 i.e.,  $12 \div 3 = 4$ .

Therefore, 723 is divisible by 3.



**BRAIN GYM**  
Foundation Level 4



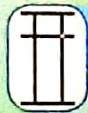
Even Numbers

Time Taken	
Add	Less

2+4+ ... +100

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
93	81	38	19	56	10	79	84	31	20	
72	24	46	73	28	47	36	65	92	18	
86	50	-29	62	17	89	-25	12	75	43	4 mins
-30	78	51	80	-49	95	93	70	-63	85	
45	63	-70	35	85	32	-60	37	50	46	Marks
-61	19	82	94	-60	61	47	89	-49	71	
23	46	-93	26	31	53	-81	43	26	52	
-17	35	67	51	-73	28	14	26	-87	94	10

Marks /10



**Multiplication**

Time Marks /20

Marks /10

**2d x 1d**

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

1	43 x 2 =
2	18 x 6 =
3	32 x 7 =
4	96 x 4 =
5	66 x 9 =
6	54 x 3 =
7	47 x 8 =
8	78 x 6 =
9	84 x 2 =
10	53 x 5 =

11	64 x 7 =
12	79 x 8 =
13	14 x 4 =
14	95 x 3 =
15	52 x 9 =
16	51 x 3 =
17	80 x 9 =
18	36 x 5 =
19	72 x 7 =
20	89 x 2 =

**2 steps**

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



1	2	3	4	5	6	7	8	9	10	Marks	Time
										10	

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
15	37	17	68	95	81	15	37	61	29	
74	-16	20	-57	-40	-70	30	-26	15	50	3 mins
-38	25	51	23	14	26	51	81	23	-18	Marks
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
43	81	35	79	46	23	52	83	18	24	
-21	16	14	-56	53	66	46	15	70	55	3 mins
65	-57	-28	61	-89	-72	-91	-67	-35	-68	Marks
										10

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	Time
89	29	31	90	28	97	73	80	95	41	
26	17	54	41	56	41	50	71	46	80	3 mins
70	65	70	63	70	-85	24	36	-27	69	Marks
15	40	-26	57	14	60	19	24	80	15	10

Marks /10



Division

Marks /20

Marks /10

2d x 1d

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

1	$261 \div 3 =$
2	$370 \div 5 =$
3	$623 \div 7 =$
4	$258 \div 6 =$
5	$144 \div 4 =$
6	$639 \div 9 =$
7	$48 \div 2 =$
8	$282 \div 6 =$
9	$171 \div 3 =$
10	$430 \div 5 =$

11	$672 \div 8 =$
12	$78 \div 3 =$
13	$153 \div 9 =$
14	$370 \div 5 =$
15	$504 \div 7 =$
16	$402 \div 6 =$
17	$216 \div 4 =$
18	$480 \div 5 =$
19	$360 \div 8 =$
20	$686 \div 7 =$

Division

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
26	18	43	62	78	30	16	91	25	13	
50	73	29	89	30	89	72	78	81	21	
92	-80	15	-46	69	61	80	64	36	70	
43	56	70	15	12	23	51	-26	94	56	3 mins
81	-31	36	-37	43	45	34	50	72	29	Marks
65	95	82	50	81	76	29	13	60	48	
29	-64	57	-28	94	18	47	-82	59	67	
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
12	87	54	96	29	83	16	34	26	98	
79	65	20	30	46	12	70	41	90	36	
40	39	76	-78	30	40	35	75	-81	17	
36	-10	43	15	78	35	29	60	47	50	
										10

**Multiplication** Time 1 min Marks /20

1	$64 \times 8 =$	11	$91 \times 3 =$
2	$30 \times 4 =$	12	$78 \times 2 =$
3	$62 \times 6 =$	13	$37 \times 7 =$
4	$34 \times 9 =$	14	$88 \times 9 =$
5	$19 \times 7 =$	15	$40 \times 5 =$
6	$58 \times 4 =$	16	$62 \times 4 =$
7	$42 \times 8 =$	17	$97 \times 8 =$
8	$27 \times 3 =$	18	$36 \times 6 =$
9	$34 \times 6 =$	19	$59 \times 9 =$
10	$70 \times 5 =$	20	$69 \times 8 =$

**Division** Time 2 mins Marks /20

1	$64 \div 4 =$	11	$256 \div 8 =$
2	$873 \div 9 =$	12	$234 \div 6 =$
3	$138 \div 2 =$	13	$693 \div 9 =$
4	$441 \div 7 =$	14	$415 \div 5 =$
5	$168 \div 3 =$	15	$632 \div 8 =$
6	$304 \div 4 =$	16	$136 \div 2 =$
7	$496 \div 8 =$	17	$576 \div 8 =$
8	$280 \div 5 =$	18	$114 \div 3 =$
9	$414 \div 6 =$	19	$34 \div 2 =$
10	$158 \div 2 =$	20	$105 \div 5 =$



1	2	3	4	5	6	7	8	9	10	Marks	Time
										10	2 mins



BRAIN GYM



2345

Time Taken

Add

Less

15 times

Just in a Minute



123

Add (30 seconds)

Less (30 seconds)



A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
43	25	56	18	37	19	82	37	49	25	
75	94	32	27	25	80	46	59	70	19	
16	30	-75	60	98	43	15	-70	31	74	
80	76	90	42	74	-65	67	42	82	-38	4 mins
24	18	-61	85	40	16	30	-18	56	40	Marks
57	23	24	36	19	-32	84	67	97	-51	
19	97	-18	54	63	51	29	-23	13	62	
82	51	43	19	96	-27	51	96	28	-86	
										10



Multiplication

Time

Marks

/20

Marks

/20

1	73 × 6 =	11	93 × 3 =
2	19 × 2 =	12	71 × 6 =
3	50 × 4 =	13	98 × 5 =
4	21 × 3 =	14	84 × 8 =
5	32 × 3 =	15	33 × 6 =
6	37 × 8 =	16	85 × 3 =
7	15 × 4 =	17	52 × 5 =
8	69 × 7 =	18	16 × 4 =
9	70 × 2 =	19	98 × 7 =
10	25 × 9 =	20	46 × 9 =

1		1	
2		2	
3		3	
4		4	
5		5	
6		6	
7		7	
8		8	
9		9	
10		10	



1	2	3	4	5	6	7	8	9	10	Marks	Time
										10	



A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
48	65	71	95	37	52	69	23	47	83	
-26	-15	26	-40	-15	45	-18	56	-32	-61	3 mins
51	38	-82	13	56	-92	37	-19	23	71	Marks
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
95	79	68	34	15	13	49	16	51	26	
-30	-58	-17	65	82	20	24	90	39	50	3 mins
12	63	42	-89	-46	57	10	23	-60	17	Marks
										10

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	Time
71	56	84	29	60	59	81	37	12	48	
24	67	31	74	23	70	64	18	90	39	3 mins
80	41	60	15	41	-26	90	42	73	10	Marks
69	30	-97	80	75	34	27	50	-65	76	10



Division

Marks /20

1	$574 \div 7 =$	11	$177 \div 3 =$
2	$174 \div 3 =$	12	$656 \div 8 =$
3	$632 \div 8 =$	13	$390 \div 6 =$
4	$344 \div 4 =$	14	$98 \div 7 =$
5	$105 \div 3 =$	15	$531 \div 9 =$
6	$574 \div 7 =$	16	$84 \div 6 =$
7	$114 \div 3 =$	17	$180 \div 4 =$
8	$729 \div 9 =$	18	$592 \div 8 =$
9	$64 \div 4 =$	19	$147 \div 3 =$
10	$405 \div 9 =$	20	$380 \div 4 =$


Number Challenge

1469

281218

41624216






**Even Numbers**

Time Taken	
Add	Less

2+4+ ... +120



Try to Less the Number 55 continuously from 1000.

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
71	63	90	86	43	89	13	47	97	15	
40	70	52	31	57	20	65	38	24	78	
53	-81	67	74	12	43	39	-16	35	93	
19	92	13	-15	98	76	80	20	81	20	4 mins
75	-64	94	60	20	12	47	-54	60	32	Marks
38	15	26	-93	35	58	62	72	59	86	
24	-37	58	49	76	91	51	-81	73	49	
92	48	21	-28	84	65	94	63	16	57	
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
39	85	27	60	51	27	91	78	30	56	
17	30	49	18	16	80	68	40	27	37	3 mins
20	14	-30	23	27	12	-34	21	-14	10	Marks
										10

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	Time
72	14	63	75	18	41	89	18	28	67	
53	69	91	19	34	70	16	90	-16	41	3 mins
80	30	52	63	20	-25	23	45	78	20	Marks
										10

D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	Time
91	34	18	65	23	40	79	86	17	63	
70	15	73	29	70	72	80	41	98	84	3 mins
63	90	50	37	15	-18	23	50	-65	10	Marks
12	76	-82	40	98	39	46	13	24	79	
										10



**BRAIN GYM**  
Pace



3456

Time Taken

Add

Less

9 times

Just in a Minute



234

Add  
(30 seconds)

Less  
(30 seconds)

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
63	41	58	26	79	81	32	56	67	21	
58	97	27	84	90	38	17	23	54	79	
40	63	-61	15	46	59	-28	95	82	85	
-92	18	34	60	-83	74	49	80	-35	64	4 mins
75	90	-19	72	17	20	-50	12	76	37	Marks
-39	52	82	53	-25	67	91	74	-19	43	
16	34	-70	97	68	93	-74	38	90	60	
-84	75	46	31	-54	16	83	49	-23	98	
										10



Multiplication

Time

Marks

/30

1	70 × 9 =	11	61 × 2 =	21	43 × 5 =
2	13 × 3 =	12	99 × 3 =	22	57 × 6 =
3	52 × 7 =	13	22 × 8 =	23	64 × 9 =
4	98 × 2 =	14	97 × 6 =	24	10 × 3 =
5	39 × 5 =	15	49 × 7 =	25	21 × 4 =
6	77 × 8 =	16	91 × 8 =	26	73 × 8 =
7	45 × 9 =	17	75 × 4 =	27	60 × 5 =
8	86 × 6 =	18	86 × 2 =	28	12 × 7 =
9	78 × 4 =	19	39 × 9 =	29	83 × 2 =
10	56 × 7 =	20	62 × 7 =	30	95 × 6 =



(3d 3r)

1	2	3	4	5	6	7	8	9	10	Marks	Time
										10	

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
53	24	18	30	91	23	59	98	47	31	
47	-16	93	58	24	45	70	-26	16	89	3 mins
26	75	75	62	-83	17	25	53	85	40	Marks
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
27	45	10	72	86	12	99	26	58	75	
18	87	69	-40	14	39	-80	15	20	29	3 mins
-36	90	38	65	30	46	63	43	17	-80	Marks
										10

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	Time
70	45	28	37	42	65	89	73	10	49	
25	91	70	19	86	17	40	28	64	21	3 mins
63	26	49	-42	10	20	36	50	97	80	Marks
14	-87	51	60	73	34	15	-94	35	76	10



Division

Marks / 30

1	$26 \div 2 =$	11	$332 \div 4 =$	21	$219 \div 3 =$
2	$300 \div 4 =$	12	$492 \div 6 =$	22	$328 \div 4 =$
3	$711 \div 9 =$	13	$637 \div 7 =$	23	$119 \div 7 =$
4	$328 \div 8 =$	14	$184 \div 8 =$	24	$276 \div 6 =$
5	$340 \div 5 =$	15	$215 \div 5 =$	25	$495 \div 5 =$
6	$276 \div 3 =$	16	$153 \div 3 =$	26	$46 \div 2 =$
7	$112 \div 7 =$	17	$208 \div 4 =$	27	$584 \div 8 =$
8	$486 \div 6 =$	18	$124 \div 2 =$	28	$385 \div 5 =$
9	$340 \div 5 =$	19	$549 \div 9 =$	29	$333 \div 9 =$
10	$162 \div 6 =$	20	$108 \div 6 =$	30	$112 \div 4 =$



Speed  
Writing



Try to Less the Number 64  
continuously from 1000.

Challenge Corner

Circular  
Sums



A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
821	724	327	612	786	221	737	287	432	713	
119	180	700	198	-197	811	190	812	580	951	3 mins
-340	-302	311	135	200	-722	-608	-488	109	216	Marks
										10

### Find the Cubes

Cube number is arrived by multiplying any given number thrice.

Example :  $1 \times 1 \times 1 = 1$

$2 \times 2 \times 2 =$

$3 \times 3 \times 3 =$

$4 \times 4 \times 4 =$

$5 \times 5 \times 5 =$

$6 \times 6 \times 6 =$

$7 \times 7 \times 7 =$

$8 \times 8 \times 8 =$

$9 \times 9 \times 9 =$

$5^3 =$

$2^3 =$

$7^3 =$

$9^3 =$

$4^3 =$

$6^3 =$

$8^3 =$

$3^3 =$



### Divisibility Rule for 4

4

A number is divisible by 4, if the number formed by the last two digits is divisible by 4.

For example in 516, the last two digits formed is 16, and  $16 \div 4 = 4$ .  
Therefore, 516 is divisible by 4.





**BRAIN GYM**  
Foundation  
Level 4



Odd Numbers

Time Taken

Add Less

1+3+ ... +99



A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
25	63	94	62	70	48	13	69	92	57	
73	91	26	51	23	61	72	80	64	32	
69	37	-71	40	81	70	45	-47	75	98	
40	18	43	85	69	-82	80	63	16	-49	4 mins
21	75	-59	17	97	15	26	-12	63	12	Marks
86	24	82	28	42	-34	59	35	20	-70	
94	50	-60	36	16	29	38	-78	49	84	
57	42	17	49	35	-56	91	54	81	-65	
										10

Marks /10



Multiplication

Time

Marks /20

2d x 1d

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

1	93 x 6 =
2	17 x 2 =
3	56 x 7 =
4	18 x 3 =
5	46 x 8 =
6	13 x 9 =
7	12 x 5 =
8	93 x 4 =
9	74 x 2 =
10	56 x 8 =

11	10 x 6 =
12	35 x 4 =
13	89 x 7 =
14	46 x 9 =
15	68 x 3 =
16	90 x 2 =
17	78 x 3 =
18	31 x 9 =
19	64 x 4 =
20	59 x 7 =

Marks /10



2 steps

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

(1d 2d 6r)


1	2	3	4	5	6	7	8	9	10	Marks	Time
										10	

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
62	73	36	81	35	64	28	75	90	38	
40	68	81	74	86	95	37	49	54	17	3 mins
15	20	73	-56	74	30	92	-83	12	60	Marks
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
19	26	83	49	12	81	72	59	67	40	
28	85	10	80	96	93	50	-45	10	36	3 mins
31	-67	54	-73	51	42	86	68	34	57	Marks
										10

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	Time
38	62	25	90	16	84	39	65	20	46	
90	41	71	23	74	91	40	18	97	10	3 mins
-74	70	46	-86	30	65	17	30	-83	73	Marks
15	39	50	14	29	70	-82	49	15	81	10

Marks /10

 **Division**

Marks /20

Marks /10

**3d Cracking**

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

1	$472 \div 8 =$
2	$348 \div 4 =$
3	$522 \div 6 =$
4	$180 \div 2 =$
5	$427 \div 7 =$
6	$558 \div 9 =$
7	$320 \div 5 =$
8	$261 \div 3 =$
9	$304 \div 4 =$
10	$273 \div 7 =$

11	$702 \div 9 =$
12	$455 \div 5 =$
13	$96 \div 3 =$
14	$570 \div 6 =$
15	$189 \div 9 =$
16	$582 \div 6 =$
17	$287 \div 7 =$
18	$276 \div 6 =$
19	$265 \div 5 =$
20	$84 \div 6 =$

**Division**

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
49	26	80	12	97	29	53	61	82	36	
16	24	53	60	31	64	72	98	19	81	
-32	80	-17	35	-86	17	-90	12	-73	40	
70	31	92	81	29	80	61	50	46	75	3 mins
-51	65	-46	26	-52	21	-84	74	-38	23	Marks
93	49	21	73	60	75	26	39	57	69	
-86	17	-35	48	-18	92	-37	23	-60	14	
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
58	27	39	60	25	81	61	90	53	86	
23	90	15	47	61	79	50	21	46	30	
40	15	70	-82	87	60	25	-37	90	19	
69	38	62	39	48	35	89	45	12	45	2 mins
										Marks
										10

**Multiplication**      Time 1 min      Marks /20

1	$26 \times 5 =$	11	$75 \times 3 =$
2	$41 \times 6 =$	12	$90 \times 5 =$
3	$33 \times 8 =$	13	$44 \times 6 =$
4	$75 \times 9 =$	14	$53 \times 2 =$
5	$94 \times 3 =$	15	$61 \times 9 =$
6	$38 \times 4 =$	16	$29 \times 4 =$
7	$17 \times 7 =$	17	$87 \times 3 =$
8	$29 \times 5 =$	18	$34 \times 7 =$
9	$56 \times 3 =$	19	$26 \times 8 =$
10	$74 \times 6 =$	20	$55 \times 9 =$

**Division**      Time 2 mins      Marks /20

1	$100 \div 4 =$	11	$424 \div 8 =$
2	$288 \div 8 =$	12	$855 \div 9 =$
3	$511 \div 7 =$	13	$81 \div 3 =$
4	$290 \div 5 =$	14	$290 \div 5 =$
5	$510 \div 6 =$	15	$26 \div 2 =$
6	$291 \div 3 =$	16	$216 \div 3 =$
7	$368 \div 8 =$	17	$305 \div 5 =$
8	$54 \div 2 =$	18	$432 \div 8 =$
9	$651 \div 7 =$	19	$486 \div 6 =$
10	$582 \div 6 =$	20	$648 \div 9 =$

1	2	3	4	5	6	7	8	9	10	Marks	Time
											2 mins
										10	





BRAIN GYM



3456

Time Taken

Add

Less

15 times

Just in a Minute



234

Add (30 seconds)

Less (30 seconds)

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
38	74	28	34	61	38	29	85	13	42	4 mins
45	31	95	26	48	19	61	74	50	63	
10	-46	70	18	57	72	37	-26	86	71	
52	50	23	-40	70	80	40	50	49	90	
74	-29	81	97	42	64	95	-13	21	68	Marks
26	63	49	-69	19	25	73	81	64	15	10
17	-82	16	51	36	43	58	-49	72	39	
69	15	37	-73	95	56	82	27	98	84	



Multiplication

Time

Marks /20

Marks /20

1	98 x 4 =
2	31 x 6 =
3	69 x 5 =
4	28 x 7 =
5	92 x 8 =
6	50 x 5 =
7	73 x 8 =
8	21 x 7 =
9	97 x 3 =
10	59 x 6 =

11	27 x 4 =
12	14 x 9 =
13	82 x 2 =
14	49 x 3 =
15	63 x 9 =
16	75 x 8 =
17	18 x 7 =
18	33 x 7 =
19	28 x 6 =
20	69 x 9 =

1		1	
2		2	
3		3	
4		4	
5		5	
6		6	
7		7	
8		8	
9		9	
10		10	



1	2	3	4	5	6	7	8	9	10	Marks	Time
										10	

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
71	98	23	91	63	80	29	51	72	14	
60	16	70	-54	45	43	-14	40	39	73	3 mins
-82	43	65	38	37	92	86	65	-16	86	Marks
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
23	64	96	78	63	92	41	36	28	19	
18	30	-47	23	75	37	60	81	-17	82	3 mins
46	72	15	46	80	-43	29	79	30	74	Marks
										10

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	Time
72	34	10	57	86	36	19	86	57	41	
51	92	73	49	70	18	50	93	60	26	3 mins
-80	61	25	30	12	20	64	10	92	70	Marks
36	50	69	-84	39	79	82	-75	14	32	10



Division

Marks / 20

1	$161 \div 7 =$	11	$130 \div 2 =$
2	$232 \div 4 =$	12	$368 \div 4 =$
3	$170 \div 5 =$	13	$235 \div 5 =$
4	$207 \div 9 =$	14	$639 \div 9 =$
5	$182 \div 2 =$	15	$413 \div 7 =$
6	$280 \div 5 =$	16	$81 \div 3 =$
7	$216 \div 3 =$	17	$336 \div 8 =$
8	$138 \div 6 =$	18	$666 \div 9 =$
9	$413 \div 7 =$	19	$258 \div 3 =$
10	$288 \div 9 =$	20	$638 \div 7 =$

Number sequence


Could you find the next number in the sequence?

(a) 3, 6, 9, 12, 15,

(b) 1, 5, 14, 30, 55,

(c) 2, 11, 25, 44, 68,






Time Taken

Add	Less

Odd Numbers

1+3+ ... +119



Try to Less the Number 64 continuously from 1000.

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
62	51	38	74	65	82	35	17	56	98	
15	69	52	15	87	39	86	34	70	13	
34	83	-61	20	52	40	-19	50	84	50	
-59	47	89	36	-49	26	48	92	-39	65	4 mins
76	90	-40	97	30	15	-72	69	21	81	Marks
-90	16	73	52	-18	71	90	45	-45	39	
47	32	-95	81	73	64	-53	26	68	46	
-23	78	26	43	-21	98	61	83	-92	27	
										10


B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
50	48	13	26	31	10	83	21	64	35	
27	-39	36	80	74	63	56	72	18	42	3 mins
18	72	79	-95	89	72	40	56	-43	97	Marks
										10

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	Time
51	27	43	50	78	12	46	59	71	80	
20	18	61	83	26	38	25	90	43	72	3 mins
86	43	-76	41	30	67	-37	16	-86	39	Marks
										10

D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	Time
30	84	65	40	13	78	58	23	68	94	
76	19	30	92	60	29	30	90	43	27	3 mins
-58	40	71	-38	42	14	67	36	10	50	Marks
91	68	49	15	97	50	-94	81	-76	13	
										10




**BRAIN GYM**  
Pace



4567

	Time Taken	
	Add	Less
9 times		

Just in a Minute



345

Add	Less
(30 seconds)	(30 seconds)

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
10	73	98	14	50	76	38	19	62	41	
25	49	51	67	48	91	24	87	15	79	
94	18	-64	30	92	45	90	-46	30	83	
83	60	80	92	61	-80	17	92	48	-65	4 mins
26	31	-47	16	17	19	65	-70	94	30	Marks
67	94	30	23	83	-34	89	38	73	-57	
39	52	-26	71	45	27	56	-21	87	92	
51	87	43	89	26	-58	73	63	16	-48	
										10

**Multiplication** Time  Marks  / 30

1	$70 \times 4 =$	11	$95 \times 5 =$	21	$51 \times 7 =$
2	$42 \times 6 =$	12	$80 \times 6 =$	22	$85 \times 8 =$
3	$99 \times 2 =$	13	$93 \times 2 =$	23	$92 \times 6 =$
4	$37 \times 5 =$	14	$15 \times 9 =$	24	$18 \times 4 =$
5	$61 \times 3 =$	15	$65 \times 8 =$	25	$32 \times 9 =$
6	$43 \times 9 =$	16	$46 \times 3 =$	26	$28 \times 8 =$
7	$56 \times 4 =$	17	$19 \times 7 =$	27	$59 \times 2 =$
8	$13 \times 7 =$	18	$70 \times 3 =$	28	$11 \times 5 =$
9	$82 \times 8 =$	19	$89 \times 4 =$	29	$96 \times 7 =$
10	$72 \times 3 =$	20	$67 \times 2 =$	30	$27 \times 6 =$



(3d 3r)

1	2	3	4	5	6	7	8	9	10	Marks	Time
										10	

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
15	37	20	54	18	36	58	70	18	69	
90	-16	84	68	90	28	63	-15	79	35	3 mins
37	48	79	-32	64	71	42	38	60	16	Marks
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
29	14	72	68	23	58	92	38	19	21	
76	39	50	-19	68	41	-61	64	48	56	3 mins
-50	28	34	80	49	73	48	27	-50	47	Marks
										10


C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	Time
28	63	17	49	15	70	68	54	29	40	
13	50	98	23	60	39	19	70	65	78	3 mins
80	37	24	70	38	-54	80	18	-40	59	Marks
94	82	-60	18	41	62	73	69	13	62	10




Division

Marks / 30


1	$49 \div 3 =$	11	$19 \div 3 =$	21	$63 \div 3 =$
2	$324 \div 6 =$	12	$656 \div 8 =$	22	$783 \div 9 =$
3	$470 \div 5 =$	13	$90 \div 5 =$	23	$252 \div 4 =$
4	$637 \div 7 =$	14	$438 \div 6 =$	24	$196 \div 2 =$
5	$288 \div 4 =$	15	$154 \div 2 =$	25	$534 \div 6 =$
6	$130 \div 2 =$	16	$306 \div 6 =$	26	$91 \div 7 =$
7	$324 \div 3 =$	17	$260 \div 5 =$	27	$776 \div 8 =$
8	$124 \div 4 =$	18	$144 \div 9 =$	28	$190 \div 2 =$
9	$84 \div 2 =$	19	$372 \div 4 =$	29	$368 \div 4 =$
10	$329 \div 7 =$	20	$174 \div 2 =$	30	$201 \div 3 =$



**Speed Writing**



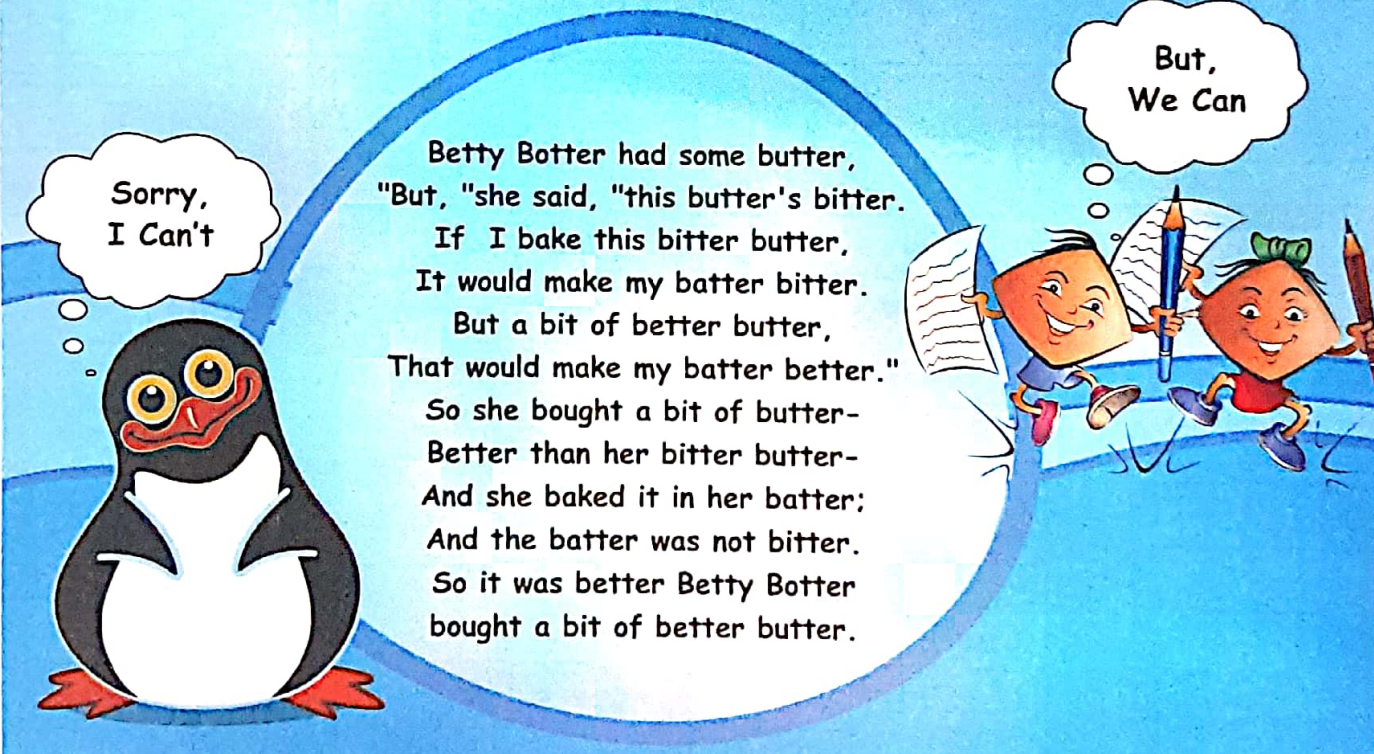
**Challenge Corner**  
Try to Less the Number 73 continuously from 1000.



**Circular Sums**

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
621	813	632	417	786	735	641	537	811	863	
989	-179	989	823	189	175	-230	-423	399	-431	3 mins
490	286	-713	870	-390	190	799	796	448	678	Marks
										10

**Tongue Twister**




**Sorry, I Can't**

Betty Botter had some butter,  
"But," she said, "this butter's bitter.  
If I bake this bitter butter,  
It would make my batter bitter.  
But a bit of better butter,  
That would make my batter better."  
So she bought a bit of butter-  
Better than her bitter butter-  
And she baked it in her batter;  
And the batter was not bitter.  
So it was better Betty Botter  
bought a bit of better butter.

**But, We Can**

**Number Challenge**




$$3 \text{ 🎈} + 4 \text{ 🎈} = 21$$

$$5 \text{ 🍎} - 2 \text{ 🍎} + 4 = 19$$

$$\frac{\text{🍎} + \text{🎈}}{2} - \frac{3}{2} = ?$$

🎈 =

🍎 =





**BRAIN GYM**  
Foundation  
Level 4



Consecutive

$1+2+...+60$

Time Taken

Add Less

Beautiful Numbers



73



A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
85	27	67	59	83	36	41	53	79	10	
50	90	21	38	47	84	23	86	42	39	
41	-56	80	61	32	12	69	-71	61	24	
97	78	35	-75	95	70	57	92	10	46	4 mins
82	-61	49	40	10	59	30	-65	94	82	Marks
13	42	73	-82	26	27	85	24	35	91	
76	-35	18	27	54	68	72	-30	26	63	
39	84	92	-13	68	43	16	49	87	56	
										10

Marks /10



Multiplication

Time

Marks /20

Marks /10

2d x 1d

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

1	$91 \times 7 =$
2	$14 \times 9 =$
3	$34 \times 5 =$
4	$52 \times 3 =$
5	$29 \times 7 =$
6	$91 \times 6 =$
7	$67 \times 8 =$
8	$66 \times 4 =$
9	$58 \times 5 =$
10	$87 \times 6 =$

11	$56 \times 8 =$
12	$49 \times 2 =$
13	$86 \times 5 =$
14	$92 \times 4 =$
15	$69 \times 9 =$
16	$36 \times 3 =$
17	$93 \times 6 =$
18	$59 \times 7 =$
19	$66 \times 8 =$
20	$73 \times 5 =$

2 steps

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



(1d 17r)

1	2	3	4	5	6	7	8	9	10	Marks	Time
										10	

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
91	47	32	69	27	50	21	93	80	12	
23	60	81	40	19	64	78	16	59	76	3 mins
50	83	57	-36	85	13	64	-58	43	95	Marks
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
49	18	65	37	40	70	63	59	12	70	
23	70	42	56	91	81	72	-40	79	53	3 mins
60	-82	17	-84	16	96	85	61	38	15	Marks
										10

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	Time
98	31	62	39	85	31	29	70	56	48	
34	50	87	40	16	50	53	36	18	90	3 mins
60	27	30	58	70	98	70	41	-39	72	Marks
15	-64	59	-76	43	26	48	52	40	16	10

Marks /10



Division

Marks /20

Marks /10

3d Cracking

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

1	$136 \div 2 =$
2	$340 \div 5 =$
3	$204 \div 6 =$
4	$637 \div 7 =$
5	$162 \div 6 =$
6	$276 \div 3 =$
7	$711 \div 9 =$
8	$380 \div 4 =$
9	$291 \div 3 =$
10	$328 \div 8 =$

11	$112 \div 7 =$
12	$170 \div 5 =$
13	$332 \div 4 =$
14	$215 \div 5 =$
15	$486 \div 6 =$
16	$184 \div 8 =$
17	$333 \div 9 =$
18	$48 \div 4 =$
19	$138 \div 2 =$
20	$549 \div 9 =$

Division

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	





A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
70	18	46	52	71	23	47	31	86	75	
19	22	82	19	68	96	53	62	70	91	
27	46	18	26	15	-31	16	-40	45	-82	
48	89	-63	90	20	62	72	17	21	43	3 mins
63	30	29	48	53	-70	81	-59	34	-60	Marks
42	54	90	37	42	57	29	83	29	38	
81	67	-71	24	94	-89	60	-24	57	-29	
										10



B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
97	40	18	53	72	83	51	29	61	34	
53	76	56	20	81	46	90	47	50	75	
10	82	-49	78	40	-70	16	30	87	20	
64	19	70	69	35	12	38	86	-94	16	2 mins
										Marks
										10



Multiplication

Time 1 min Marks /20

1	$49 \times 4 =$	11	$30 \times 8 =$
2	$37 \times 9 =$	12	$36 \times 6 =$
3	$43 \times 8 =$	13	$68 \times 2 =$
4	$80 \times 7 =$	14	$75 \times 4 =$
5	$84 \times 6 =$	15	$47 \times 3 =$
6	$78 \times 2 =$	16	$45 \times 5 =$
7	$39 \times 4 =$	17	$94 \times 4 =$
8	$97 \times 3 =$	18	$86 \times 7 =$
9	$96 \times 5 =$	19	$32 \times 9 =$
10	$29 \times 9 =$	20	$64 \times 8 =$



Division


Time 2 mins Marks /20

1	$119 \div 7 =$	11	$136 \div 4 =$
2	$112 \div 4 =$	12	$459 \div 9 =$
3	$495 \div 5 =$	13	$130 \div 2 =$
4	$124 \div 4 =$	14	$413 \div 7 =$
5	$108 \div 6 =$	15	$72 \div 2 =$
6	$234 \div 3 =$	16	$426 \div 6 =$
7	$156 \div 2 =$	17	$184 \div 4 =$
8	$276 \div 6 =$	18	$492 \div 6 =$
9	$155 \div 5 =$	19	$115 \div 5 =$
10	$52 \div 2 =$	20	$195 \div 3 =$




(2d 4r)

1	2	3	4	5	6	7	8	9	10	Marks	Time
											2 mins
										10	



**BRAIN GYM**



4567

15 times	Time Taken	
	Add	Less

Just in a Minute

345

Add (30 seconds)	Less (30 seconds)



A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
64	83	75	26	38	50	24	61	80	34	
78	19	92	15	21	43	10	38	49	41	
15	40	-58	39	54	27	-31	92	15	67	4 mins
-80	78	60	17	-90	96	85	50	-73	20	
59	25	-49	90	75	82	-67	47	28	73	Marks
-63	56	37	58	-63	54	59	21	-56	86	
42	37	-21	74	49	31	-42	75	91	92	
-37	91	86	63	-27	19	78	26	-32	59	10



**Multiplication**

Time

Marks  / 20

Marks  / 20

1	57 × 4 =
2	26 × 7 =
3	73 × 5 =
4	35 × 6 =
5	37 × 4 =
6	15 × 2 =
7	94 × 8 =
8	91 × 3 =
9	28 × 5 =
10	95 × 7 =

11	22 × 8 =
12	21 × 6 =
13	41 × 4 =
14	55 × 9 =
15	17 × 5 =
16	81 × 3 =
17	33 × 6 =
18	96 × 4 =
19	39 × 7 =
20	41 × 8 =

1		1	
2		2	
3		3	
4		4	
5		5	
6		6	
7		7	
8		8	
9		9	
10		10	



1	2	3	4	5	6	7	8	9	10	Marks	Time
										10	

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
68	37	29	87	30	19	75	26	48	31	
40	15	80	-42	51	73	-48	90	50	67	3 mins
-72	94	36	19	26	48	60	15	-29	45	Marks
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
36	51	72	86	90	58	24	60	39	53	
72	90	13	20	71	29	18	57	10	47	3 mins
10	28	40	-93	56	37	56	-84	76	21	Marks
										10

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	Time
28	13	46	87	60	31	92	50	18	74	
13	85	10	53	29	84	10	76	90	58	3 mins
50	20	78	60	43	-72	84	34	-76	10	Marks
94	67	-53	19	78	60	37	12	54	96	10




Division

Marks / 20

1	$465 \div 5 =$	11	$186 \div 6 =$
2	$512 \div 8 =$	12	$285 \div 5 =$
3	$450 \div 6 =$	13	$256 \div 8 =$
4	$126 \div 2 =$	14	$135 \div 9 =$
5	$75 \div 3 =$	15	$112 \div 2 =$
6	$162 \div 9 =$	16	$288 \div 4 =$
7	$282 \div 3 =$	17	$301 \div 7 =$
8	$68 \div 4 =$	18	$492 \div 6 =$
9	$171 \div 3 =$	19	$108 \div 2 =$
10	$504 \div 8 =$	20	$675 \div 9 =$


Beautiful Numbers - 73

1		11	
2		12	
3		13	
4		14	
5		15	
6		16	
7		17	
8		18	
9		19	
10		20	



Consecutive

	Time Taken	
	Add	Less
1+2+ ... +70		



Try to Less the Number 73 continuously from 1000.

Challenge Corner

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	Time
38	61	72	84	40	76	53	95	26	37	
12	59	23	18	63	83	49	80	47	62	
53	70	-51	96	37	42	20	-34	10	41	
27	18	46	50	91	-94	74	69	83	-90	4 mins
86	94	-30	23	80	35	15	-71	75	64	Marks
40	26	89	75	26	-60	96	52	61	-83	
69	82	-65	49	18	87	67	-48	14	59	
45	37	18	62	75	-51	32	26	98	-28	
										10

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	Time
18	76	90	57	61	40	23	67	80	45	
65	43	12	80	23	96	84	-24	39	19	3 mins
30	-81	74	-93	85	78	90	51	26	78	Marks
										10

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	Time
69	18	74	92	68	16	92	35	48	97	
20	39	50	-65	40	83	-46	19	20	18	3 mins
-53	72	68	31	27	59	80	76	-39	56	Marks
										10

D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	Time
20	16	90	57	38	60	23	69	35	90	
13	92	84	20	19	18	50	14	70	18	3 mins
45	50	17	43	60	23	68	70	81	43	Marks
78	-83	32	-91	75	79	19	-85	26	57	
										10