

Brain Teasers 4 — Answers

Test 1	Test 2	Test 3	Test 4	Test 5
1 20c	1 120	1 390	1 900	1 45
2 32	2 100cm	2 350	2 476	2 72
3 6	3 28	3 248	3 7	3 11
4 40c	4 57	4 5	4 941	4 515
5 $\frac{1}{4}$	5 8	5 201	5 499	5 7
6 $\frac{3}{4}$	6 6	6 €1.50	6 0.3	6 8
7 500g	7 6	7 80 mins	7 0.7	7 471
8 $\frac{3}{10}$	8 60 mins	8 54c	8 7	8 24
9 100	9 199	9 50cm	9 34	9 15
10 b	10 70cm	10 8:15	10 9	10 4

Test 6	Test 7	Test 8	Test 9	Test 10
1 500	1 0.4	1 490	1 5426	1 3310
2 500	2 0.6	2 0.9	2 2374	2 5469
3 $\frac{1}{4}$	3 854	3 63c	3 2034	3 3480
4 €36	4 136cm	4 54	4 1900	4 1400
5 8	5 20c	5 87 mins	5 70	5 2300
6 276c	6 8	6 €3.15	6 600	6 8000
7 c	7 47	7 900	7 1212	7 7446
8 $\frac{1}{4}$	8 €72	8 48	8 4138	8 3775
9 $\frac{5}{8}$	9 9:10	9 9	9 5869	9 7500
10 c	10 €0.75 or 75c	10 943	10 2357	10 6035

Test 11	Test 12	Test 13	Test 14	Test 15
1 3214	1 970	1 20	1 60	1 6006
2 4305	2 500	2 60	2 206	2 3097
3 5005	3 €0.75 or 75c	3 27	3 105	3 1000
4 4001	4 past	4 150	4 4999	4 2200
5 1999	5 13	5 2000	5 8002	5 400
6 5406	6 32	6 2998	6 4002	6 2125
7 5000	7 9	7 3200	7 4787	7 8000
8 8000	8 $\frac{7}{10}$	8 1200	8 5978	8 3900
9 4800	9 15 mins	9 3600	9 8239	9 1968
10 7036	10 $\frac{1}{9}$	10 500	10 4685	10 8080





Test 16	Test 17	Test 18	Test 19	Test 20
1 15	1 walk	1 Thursday	1 9000	1 56
2 54	2 bus	2 Friday	2 3501	2 24
3 9	3 5	3 30	3 7707	3 34
4 7	4 8	4 20	4 73	4 246cm
5 45 mins	5 4	5 30	5 1500	5 8cm
6 48c	6 5	6 55	6 6999	6 to
7 €2.20	7 5	7 20	7 5000	7 yes
8 40cm	8 15	8 10	8 1155	8 cone
9 8	9 13	9 15	9 5076	9 4
10 €9	10 30	10 65	10 35	10 6

Test 21	Test 22	Test 23	Test 24	Test 25
1 54c	1 72c	1 €1.40	1 €1.35	1 3
2 6	2 5	2 7	2 35c	2 b
3 56	3 7	3 28c	3 45 mins	3 hexagon
4 20c	4 10c	4 88	4 175ml	4 8
5 €1.20	5 12	5 13	5 €3.60	5 4
6 8c	6 €8.90	6 €3	6 120	6 c
7 9	7 11	7 27	7 0.8	7 b
8 6	8 6	8 35	8 12	8 a
9 240	9 90	9 €6.40	9 540	9 octagon
10 8	10 €12	10 16c	10 €14	10 d

Test 26	Test 27	Test 28	Test 29	Test 30
1 b	1 3	1 90	1 €1.50	1 €5.00
2 4	2 56	2 6	2 53c	2 €14
3 octagon	3 square	3 $\frac{1}{4}$	3 €1.15	3 11c
4 A	4 true	4 $\frac{7}{10}$	4 €1.60	4 €7.15
5 3	5 5	5 $\frac{3}{10}$	5 €6.20	5 €3.10
6 1	6 8550	6 900	6 10c	6 €28
7 acute	7 4999	7 407	7 €2.70	7 €36
8 2	8 7200	8 212cm	8 80c	8 €10.50
9 16	9 5	9 35 mins	9 60c	9 €18
10 b	10 2999	10 a	10 €15	10 €7.50

Test 31	Test 32	Test 33	Test 34	Test 35
1 84c	1 145 mins	1 9	1 8	1 36
2 15	2 40 mins	2 7	2 $\frac{1}{10}$	2 30
3 6	3 375g	3 60	3 40	3 40
4 9	4 260	4 20	4 32	4 €27
5 €8.40	5 9	5 18	5 25	5 63
6 80c	6 €1	6 12	6 $\frac{1}{5}$	6 €57
7 78	7 €24	7 40	7 €24	7 49
8 320	8 €9	8 27	8 $\frac{1}{3}$	8 $\frac{1}{3}$
9 €3.65	9 €4.20	9 2	9 3	9 3
10 €34.50	10 13	10 40	10 56	10 €3

Test 36	Test 37	Test 38	Test 39	Test 40
1 84c	1 0.9	1 4.3	1 0.73	1 €3.80
2 12	2 10	2 1.7	2 0.05	2 180
3 50	3 2.7	3 0.9	3 0.08	3 8
4 11	4 1.2	4 5.3	4 1.04	4 9
5 €13	5 120	5 1.09	5 0.09	5 75c
6 8:25	6 0.6	6 0.39	6 4.76	6 €12.50
7 $\frac{1}{4}$	7 0.03	7 0.6	7 $3\frac{7}{10}$	7 60
8 8g	8 0.17	8 20	8 €42	8 360
9 $\frac{3}{4}$	9 3.09	9 0.52	9 0.93	9 0.91
10 €30	10 18	10 0.57	10 15	10 €6

Test 41	Test 42	Test 43	Test 44	Test 45
1 	1 	1 5001	1 8	1 2571
2 	2 	2 2900	2 11:15	2 9
3 75	3 40	3 c	3 150ml	3 40
4 335	4 27	4 obtuse	4 21	4 a
5 940	5 743	5 $\frac{5}{6}$	5 $\frac{3}{4}$	5 4401
6 4500	6 2762	6 36	6 cone	6 rhombus
7 64	7 9	7 435c	7 5	7 20
8 47	8 14	8 12	8 250g	8 9 R 5
9 2358	9 73	9 $\frac{7}{100}$	9 €5.20	9 €18
10 75	10 84	10 3.08	10 c	10 €0.55 or 55c

Test 46	Test 47	Test 48	Test 49	Test 50
1 4842	1 8	1 67c	1 145 mins	1 105 mins
2 45	2 0.07	2 4.07	2 4:30	2 3:18
3 25	3 5.8	3 24	3 7:15	3 55 mins
4 obtuse	4 9415	4 $\frac{9}{100}$	4 4:27	4 5:08
5 4599	5 48	5 249	5 2:42	5 52 mins
6 c	6 10	6 8 R 2	6 45 mins	6 9:37
7 40	7 9	7 8000	7 5:15	7 11:04
8 350g	8 $\frac{1}{4}$	8 20c	8 3:55	8 46 mins
9 4.35	9 650	9 880	9 3:41	9 2:31
10 18	10 €1.37	10 €6	10 36 mins	10 46 mins

Test 51	Test 52	Test 53	Test 54	Test 55
1 3.71	1 €2.70	1 1.7	1 4.13	1 4.93
2 0.6	2 56	2 3.09	2 3.97	2 0.35
3 7.09	3 5c	3 1.73	3 4.4	3 €27
4 0.48	4 350g	4 1.3	4 0.18	4 28
5 6.55	5 24	5 0.8	5 1.6	5 240
6 6.19	6 €160	6 3.5	6 0.39	6 $\frac{2}{5}$
7 32 mins	7 $\frac{1}{5}$	7 0.35	7 0.26	7 45
8 49	8 $\frac{1}{8}$	8 0.27	8 0.91	8 0.58
9 €1.55	9 47 mins	9 0.93	9 7.87	9 41 mins
10 0.46	10 1:07	10 0.62	10 0.23	10 €1.50


Test 56	Test 57	Test 58	Test 59	Test 60
1 165 mins	1 c	1 3250m	1 3548	1 7615
2 €3.35	2 350cm	2 2.58km	2 1.78	2 6
3 0.13	3 4.76m	3 0.46km	3 $\frac{1}{2}$	3 21
4 8.07	4 $\frac{27}{100}$	4 4700m	4 $\frac{1}{8}$	4 550
5 360	5 $\frac{3}{10}$	5 $\frac{79}{100}$	5 $\frac{3}{8}$	5 36
6 35	6 132cm	6 $2\frac{1}{2}$ km	6 22cm or 0.22m	6 40 mins
7 $\frac{1}{5}$	7 4.8m	7 2km	7 51c	7 €1.35
8 €4.80	8 29cm	8 6km	8 28	8 €2.50
9 €12.50	9 30m	9 1.2km	9 4019	9 b
10 €2.25	10 3m	10 150m	10 10	10 36

Test 61	Test 62	Test 63	Test 64	Test 65
1 72c	1 540	1 €1.60	1 12:15	1 6cm ²
2 5	2 6	2 9	2 280	2 12cm ²
3 5c	3 26	3 €1.25	3 €80	3 24cm ²
4 7	4 9	4 3	4 4	4 28cm ²
5 €1.40	5 €5	5 12c	5 €2.40	5 25cm ²
6 9	6 62	6 52	6 €30	6 60m ²
7 6	7 35	7 30c	7 €17.50	7 12m ²
8 €750	8 $\frac{2}{5}$	8 20	8 $\frac{3}{5}$	8 25m ²
9 €24	9 €6	9 20c	9 0.92	9 24m ²
10 €7	10 9	10 56	10 €4.20	10 36cm ²

Test 66	Test 67	Test 68	Test 69	Test 70
1 45cm ²	1 84c	1 3.07	1 90	1 €1.75
2 56cm ²	2 7	2 7.9	2 €3.12	2 7
3 64cm ²	3 180	3 45	3 60c	3 20c
4 27cm ²	4 66cm ²	4 45 mins	4 8c	4 11
5 18cm ²	5 49cm ²	5 4:15	5 12	5 11
6 72cm ²	6 27	6 €5	6 180	6 27
7 200m ²	7 30	7 10	7 72	7 6
8 3m ²	8 140	8 600m ²	8 140	8 €3.50
9 300cm ²	9 €21	9 0.9	9 6	9 €9
10 €30	10 1cm ²	10 $\frac{3}{4}$	10 €9	10 €11

Test 71	Test 72	Test 73	Test 74	Test 75
1 8	1 2.37	1 1m	1 2m	1 56cm ²
2 14	2 72cm ²	2 350cm 3m 50cm	2 2760m	2 30cm
3 4c	3 45	3 7.68m	3 800m	3 2470
4 40	4 7	4 4930m	4 26cm	4 100
5 6	5 10c	5 287cm	5 450m	5 14l
6 68	6 36c	6 9cm	6 62cm	6 9 R 3
7 €19.50	7 33 mins	7 2090m	7 18km	7 2342
8 63	8 0.23	8 250m	8 10km	8 50 mins
9 100cm ²	9 €42	9 500m	9 24cm	9 $3\frac{1}{4}$
10 €64	10 12	10 3km	10 1500m	10 12

Test 76	Test 77	Test 78	Test 79	Test 80
1 2900	1 150g	1 240g	1 420g	1 2670g
2 55c	2 1270g	2 2kg 650g	2 2850g	2 3kg
3 31	3 1500g	3 3900g	3 1.75kg	3 0.36
4 Tuesday	4 250g	4 200g	4 138 mins	4 37 mins
5 85 mins	5 1kg 360g	5 1850g	5 40c	5 150g
6 54c	6 1300g	6 1250g	6 €18	6 €1.50
7 G	7 $\frac{7}{10}$	7 4	7 1.4	7 16
8 40c	8 1400g	8 12	8 $\frac{1}{5}$	8 35m ²
9 0.7	9 3.4kg	9 4 $\frac{7}{10}$ kg	9 €3.60	9 €60
10 0.3	10 7.6kg	10 4.25kg	10 €9	10 €9

Test 81	Test 82	Test 83	Test 84	Test 85
1 39	1 64	1 1245	1 3100m	1 cube
2 14	2 8	2 73	2 6m	2 6
3 44	3 62	3 2300m	3 487c	3 square
4 950	4 7900	4 €1.25	4 26cm	4 12
5 8000	5 	5 $\frac{3}{4}$	5 8460	5 b
6 3489	6 64	6 b	6 €28	6 cylinder
7 8470	7 5	7 2.17	7 6.66	7 rectangles
8 860	8 7 R 4	8 4 $\frac{32}{100}$	8 10	8 yes
9 octagon	9 $\frac{7}{100}$	9 2750g	9 €1.12	9 cone
10 c	10 5999	10 32	10 20c	10 yes

Test 86	Test 87	Test 88	Test 89	Test 90
1 cuboid	1 3 $\frac{1}{2}$	1 8	1 4.07	1 7.29
2 c	2 20	2 5000	2 2.93	2 3.78
3 no	3 49	3 1000ml	3 2.16	3 0.37
4 no	4 27	4 31	4 0.37	4 1.8
5 cube	5 65cm	5 15	5 0.24	5 5.29
6 no	6 42	6 8:55	6 0.26	6 18
7 7	7 15c	7 96	7 0.48	7 350
8 12	8 32	8 16	8 0.64	8 63
9 a	9 30cm	9 45	9 6.39	9 €80
10 no	10 a	10 €3.55	10 0.08	10 48

Test 91	Test 92	Test 93	Test 94	Test 95
1 6·93	1 0·48	1 48c	1 465c	1 $\frac{1}{10}$
2 0·62	2 €36	2 24c	2 €3·46	2 0·4
3 €2·15	3 22	3 €4·80	3 €2·40	3 $\frac{1}{2}$
4 €28	4 24	4 50c	4 €5	4 36
5 60c	5 54	5 80c	5 10	5 €9
6 18	6 70	6 12	6 3c	6 octagon
7 24	7 84cm^2	7 28c	7 2c	7 3
8 80	8 €120	8 €3·90	8 €3·50	8 150g
9 €24	9 70	9 €2·10	9 €15	9 3170g
10 €60	10 30	10 50c	10 40c	10 5cm

Test 96	Test 97	Test 98	Test 99	Test 100
1 cone	1 155 mins	1 135 mins	1 1650g	1 €1·55
2 €72	2 2:45	2 3 hours	2 8	2 63
3 9km	3 8:25	3 48 mins	3 42cm^2	3 3·86
4 c	4 11:05	4 5:55	4 4·09	4 $\frac{2}{5}$
5 6:50	5 10:55	5 4:40	5 0·8	5 180
6 18	6 37 mins	6 45 mins	6 $\frac{1}{8}$	6 €3·75
7 €1·55	7 3:15	7 6:15	7 1 hr 25 mins	7 42
8 60c	8 1:45	8 78 mins	8 35 mins	8 6:45
9 3000	9 47 mins	9 132 mins	9 8:10	9 €1·25
10 28km	10 5:45	10 10:50	10 3:30	10 3:15

Test 101	Test 102	Test 103	Test 104	Test 105
1 160ml	1 320ml	1 1380ml	1 17·29	1 8
2 1350ml	2 1950ml	2 2·65l	2 2200 l	2 €2·15
3 750ml	3 $\frac{7}{10}$	3 400ml	3 0·55	3 €1·20
4 2650ml	4 1200ml	4 2300g	4 170g	4 11
5 $\frac{3}{10}$	5 10	5 3450g	5 21	5 €48
6 5	6 50ml	6 €2·10	6 36	6 13·71
7 2·7l	7 20c	7 3·08	7 45	7 32
8 300ml	8 5·6l	8 0·24	8 48c	8 €50
9 7	9 30c	9 51 mins	9 96 mins	9 1700g
10 €2·40	10 8	10 5:47	10 7:05	10 40c

Test 106	Test 107	Test 108	Test 109	Test 110
1 45	1 €3.50	1 0.47	1 16.09	1 370g
2 48	2 35	2 60	2 48	2 40c
3 €50	3 €100	3 33	3 7:43	3 €64
4 €36	4 81cm ²	4 16	4 275cm	4 138 mins
5 €36	5 36cm ²	5 27	5 5	5 €2.50
6 3	6 15c	6 7	6 4:40	6 €52
7 €3	7 23.68	7 32	7 3:25	7 4
8 9	8 0.88	8 39	8 6	8 5:53
9 84cm ²	9 5	9 60	9 €70	9 8
10 €15	10 €3.60	10 80	10 60m ²	10 €4

Test 111	Test 112	Test 113	Test 114	Test 115
1 9	1 €4.48	1 8001	1 cuboid	1 7000
2 €1.70	2 102 mins	2 cylinder	2 €1.10	2 $\frac{5}{12}$
3 45	3 €21	3 $\frac{3}{100}$	3 9	3 $\frac{7}{12}$
4 35m ²	4 €1.50	4 0.8	4 2250g	4 9
5 54	5 6:15	5 600	5 123	5 (-) minus
6 48	6 €2.80	6 hexagon	6 51	6 25c
7 30c	7 0.75	7 4900	7 €1.50	7 31 mins
8 $4\frac{3}{4}$	8 4	8 20	8 40c	8 80c
9 0.91	9 €1.85	9 63cm ²	9 €3.75	9 9
10 40	10 0.15	10 32cm	10 €1.80	10 120km

Test 116
1 8500
2 4.25
3 €24
4 9:45
5 12
6 4
7 0.07
8 €70
9 45c
10 43