

Numeracy Tests Homework : Year 9 Answers

Qu	Hmk 1	Hmk 2	Hmk 3	Hmk 4	Hmk 5
1	a) 3027 b) 76.1	a) 4223 b) 64.7	a) 8287 b) 122.09	a) 302 b) 66.47	a) 6409 b) 35.75
2	8cm ³	6	420m ³	20	a) $1^{25}/_{1000} = 1/8$ b) 9%
3	62mph	56mph	64mph	8mph	27.5mph
4	a) 36 b) 46	a) 150 b) 80	a) 113 b) 50	a) 171 b) 11.8	a) 34 b) 169
5	>, <, >, =	=, >, >	=, <, <	<, =, =	45%
6	4.28	6.48	5.34	6.956	2.89
7	a) 6780 b) 4.58×10^5	a) 5800 b) 8.76×10^{-2}	a) 12000000 b) 7.542×10^5	a) 12000000 b) 7.542×10^5	2.7×10^8
8	10 ¹⁰	10 ³	5 ⁹	5 ⁹	10 ²⁴
9	28.26m ²	39.25 cm ²	25.12cm ²	7.14 in ²	38.465cm ²
10	42	42	87	85	102
11	60%	40%	6.4%	20%	25%
12	£18.60	29p	a) 120cm b) 7cm	P £16, A £20, H £24	A £2.40, B £3.60, C £6
13	3 (approx.)	4 (approx.)	81 (approx.)	2 (approx.)	33 (approx.)
14	11 ¹ / ₄	-3 ³ / ₄	6 ⁵ / ₆	1 ⁷ / ₈	8 ³ / ₁₀
15	a) F=113 b) C=20	F = 212	F = 68	100°C	C = £53.28
16	£268.80	£141	£53.28	68.34	20
17	25°	225°	134°	140°	134°
18	491.4 dollars	182.40 dollars	a) 222525 yen b) £250	491.4 dollars	£1 = 1.51 euros
19	£100	£145	a) 145700 lira b) £45	£250000	£19260
20	19.16 cm	94.2 cm	56.52 cm	376.8 m	47.1 m

Qu	Hmk 6	Hmk 7	Hmk 8	Hmk 9	Hmk 10
1	a) 3333 b) 35.14	a) 5424 b) 100.43	a) 129 b) 210.67	a) 3257 b) 22.86	a) 712.5 b) 76.1
2	2500 m ³	28p	5 cm	7	6 m
3	150 mph	134 mph	330 mph	18 mph	36 km/hour
4	160	96	4	14	56
5	Jill	21/24	1/7, 15/50, 34%, 0.7	¼, 32%, 0.34, 9/25	56%, reciprocal of 2, 3/10, 0.18
6	2.89	182.25	1314.2	7.85	40.5
7	5×10^{-4}	3.7×10^6	5678000000	0.00000045	0.0167
8	10 ²⁵	1200000 or 1.2×10^6	3600000 or 3.6×10^6	3200000000 or 3.2×10^9	200 or 2×10^2
9	226.08 cm ²	78.5 cm ²	113.04 cm ²	78.5 cm ²	31400 cm ²
10	75	92	56	57.666..	65
11	6%	60%	40%	30%	12.5%
12	£1.25	18	£1, £1.50, £2.50	B £72 R £108	B 30 litres Y 50 litres
13	88 (approx.)	10 (approx.)	180 (approx.)	3 (approx.)	508 (approx.)
14	2 ⁷ / ₁₀	16 ³³ / ₅₆	2	5 ¹ / ₆	13 ¹ / ₁₂
15	X9, ÷5, +32	F = 5	F = 140	30°C	F = 32
16	15% of £500	17% of £234	57.2	£66.12(5)	£41.04
17	Approx 295°	250°	340°	080°	300°
18	£1 = 1.5 dollars	a) 3718 francs b) £24	a) 22940 escudos b) £25	a) 3640 HK dollars b) £72	a) 145700 lira b) £45
19	£5100	£6090	£418.80	£8694	£5460
20	39.25 inches	94.2 cm	314 m	28.26 in	62.8 m

