

P6 MATHEMATICS TEST

ANSWER KEY AND MARKING SCHEME

Part 1: Calculations (2 marks each)

1	12.33	2	4.2
3	14.24	4	4.85
5	13	6	12.8
7	60	8	8
9	9	10	10.5

Part 2: Number Conversion (2 marks each)

11	$\frac{5}{8}$	12	$4\frac{1}{5}$ (or $\frac{21}{5}$)
13	0.35	14	1.6
15	8%	16	35%
17	$1\frac{1}{4}$ (or $\frac{5}{4}$)	18	$2\frac{3}{4}$ (or $\frac{11}{4}$)

Part 3: Ordering (4 marks each)

19. $0.4 < 45\% < \frac{3}{5} < 0.62$

20. $\frac{5}{4} > 1.2 > 1.18 > 110\%$

Part 4: Average (4 marks each)

21. $(72 + 68 + 75 + 80 + 65) \div 5 = 72$. Answer: 72

22. $(1.56 \times 4 + 1.68) \div 5 = 1.584$. Answer: 1.584 m

Part 5: Capacity and Volume (4 marks each)

23. 2.5 L 24. 1800 cm^3

25. $600\text{ mL} + 180\text{ mL} = 780\text{ mL}$. Answer: 780 mL

Part 6: Word Problems (6 marks each)

26. $10 \times 4.80 = 48.00$; $50.00 - 48.00 = 2.00$. Answer: 10, \$2.00

27. $3 \times 12.50 = 37.50$; $78.00 - 37.50 = 40.50$; $4 \times 9.80 = 39.20$. Answer: 4 (\$1.30)

28. $1200 \div 400 = 3$. Answer: 3 cm

Part 7: Volume and Water Level (9 marks each)

29. $38\text{ cm} \times 23\text{ cm} \times 19\text{ cm} = 16,606\text{ cm}^3 = \text{Answer: } 16.606\text{ L}$

30. (a) $8.4 - 6 = 2.4\text{ cm}$. (b) $30 \times 20 \times 2.4 = 1440\text{ cm}^3$; $1440 \div 3 = 480\text{ cm}^3$.

Marking: award method, accuracy and final-answer marks; accept equivalent valid methods.