

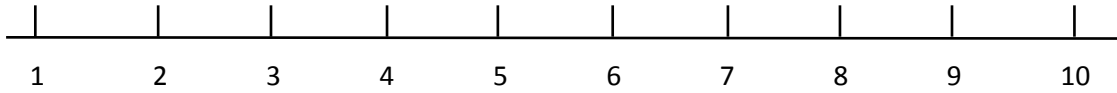
Name: _____ Student ID: _____ Course _____

B.Nrsg.	<input type="radio"/>
B.Mid.	<input type="radio"/>
B.Para.	<input type="radio"/>

** Highest level of maths passed (please check one): Year 10 Year 11 Year 12 Tertiary

** In which year was this maths level achieved (e.g. 1998)? _____

** Please rate your confidence with the maths calculations for the course on the scale below from 1 (not at all confident) to 10 (very confident). (Circle one number)



Not at all confident

Very confident

1. Write one third as a fraction.	A $1\frac{1}{3}$ B 0.33 C 1.33 D $\frac{1}{3}$	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
2. Which is larger: $\frac{3}{5}$ or $\frac{3}{8}$?	A $\frac{3}{5}$ B $\frac{3}{8}$	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
3. Write three quarters as a decimal.	A $3\frac{1}{4}$ B $\frac{3}{4}$ C 0.75 D 3.75	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
4. Arrange in order from smallest to largest: 0.49, 0.7, 0.283	A 0.49, 0.283, 0.7 B 0.7, 0.49, 0.283 C 0.283, 0.7, 0.49 D 0.283, 0.49, 0.7	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
5. How many cents in \$0.70?	A 0.7 B 7 C 70 D 0.70	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
Round each of these numbers to 1 decimal place:		
6. 19.4497	6. A 19.5 B 19.4 C 19 D 19.40	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
7. 0.55	7. A 0.5 B 1 C 0.50 D 0.6	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
8. 26.325	8. A 26.3 B 26.4 C 26 D 30	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
9. $4\frac{1}{4} + 3.5 =$	A 7.25 B 7.5 C 7.75 D 7.525	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
10. Which is the larger unit of volume: mcg or mg?	A mcg B mg	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
11. Put the following units of mass in order from smallest to largest: milligram, microgram, kilogram, gram.	A milligram, microgram, gram, kilogram B microgram, milligram, gram, kilogram C kilogram, gram, milligram, microgram D gram, kilogram, microgram, milligram	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
12. How many litres are there in 750 ml?	A 750 B 0.075 C 750,000 D 0.75	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>

Please Turn Over

For Q 13 & 14 – to the nearest 100, **estimate** the value of:

13. 29×13	A 200 B 300 C 400 D 390	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
14. 41×19	A 820 B 800 C 780 D 400	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
15. $\frac{3}{5} \times \frac{2}{3} =$	A $\frac{5}{15}$ B $\frac{2}{5}$ C $\frac{19}{15}$ D $1\frac{4}{15}$	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
16. $\frac{3}{5} \times 8 =$	A $\frac{24}{40}$ B $8\frac{3}{5}$ C $\frac{3}{40}$ D $4\frac{4}{5}$	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
For Q 17, 18 & 19, convert the following units of mass to the next smallest unit:		
17. 1.35 mg	A 0.0135 mcg B 135 mcg C 0.135 mcg D 1350 mcg	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
18. 0.7 kg,	A 0.700 kg B 700 mg C 700 g D 0.007 g	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
19. 2 g	A 2000 mg B 200 mg C 0.002 mg D 0.2 mg	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
20. Which of these would weigh closest to 250 g?	A a sugar cube B a small tub of table margarine C a 2L bottle of soft drink D half a litre of milk	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
21. A child's minitramp can take a maximum weight capacity of 65kg. John weighs 40kg, Mary weighs 24kg and Lucy weighs 35 kg. Which two cannot go safely together on the minitramp?	A Mary and John B John and Lucy C Lucy and Mary D no pair of them	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
22. You have a 200 mL bottle of medicine. The strength of the medicine is 2mg per 5 ml. If you give 20ml, how many mg are you giving?	A 8 mg B 50 mg C 25 mg D 0.5 mg	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
23. If Jane earns \$1200 she will pay \$240 in tax. Based on the same ratio of tax to earnings, how much tax will Shane pay if he earns \$1000?	A \$288 B \$220 C \$180 D \$200	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
24. If James has 300 songs on his ipod and it cost him \$450, based on the same pricing, how much would Sue have paid for her 200 songs?	A \$675 B \$133.33 C \$300 D \$400	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>
25. $4 : 5 = x : 8?$ $x = ?$	A 7 B 6.4 C 6 D 10	A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>