Name: _____   Student ID: _____   Course

B.Nrsg.	◯
B.Mid.	◯
B.Para.	◯

** 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)
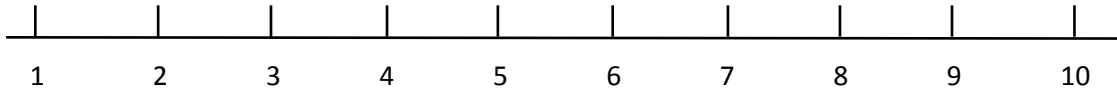
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  |     |     |     |     |     |     |     |     |     |
  1     2     3     4     5     6     7     8     9     10
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Not at all confident   Very confident

No.	Question	Answers	A	B	C	D
1.	Write one half as a fraction.	A $1\frac{1}{2}$ B 0.5 C 1.5 D $\frac{1}{2}$	◯	◯	◯	◯
2.	Which is larger: $\frac{2}{3}$ or $\frac{2}{5}$?	A $\frac{2}{3}$ B $\frac{2}{5}$	◯	◯	◯	◯
3.	Write one quarter as a decimal.	A $1\frac{1}{4}$ B $\frac{1}{4}$ C 0.25 D 1.25	◯	◯	◯	◯
4.	Arrange in order from smallest to largest: 0.54, 0.6, 0.312	A 0.54, 0.312, 0.6 B 0.6, 0.54, 0.312 C 0.312, 0.6, 0.54 D 0.312, 0.54, 0.6	◯	◯	◯	◯
5.	How many cents in $0.30?	A 0.3 B 3 C 30 D 0.30	◯	◯	◯	◯
Round each of these numbers to 1 decimal place:						
6.	1.425	6. A 1.3 B 1.4 C 1 D 1.43	◯	◯	◯	◯
7.	0. 36	7. A 0.3 B 0 C 0.30 D 0.4	◯	◯	◯	◯
8.	3. 7489	8. A 3.7 B 3.8 C 3.75 D 4	◯	◯	◯	◯
9.	5 ½ + 2.25 =	A 7.55 B 5.75 C 7.75 D 7.5	◯	◯	◯	◯
10.	Which is the larger unit of volume: ml or L?	A mL B L	◯	◯	◯	◯
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	◯	◯	◯	◯
12.	How many grams are there in 350 milligrams?	A 350 B 0.035 C 350,000 D 0.35	◯	◯	◯	◯

Please Turn Over ⟹

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

		A	B
13. 23×19	A 200 B 400 C 460 D 440	A ○ B ○ C ○ D ○	
14. 48×11	A 480 B 500 C 530 D 400	A ○ B ○ C ○ D ○	
15. $\frac{1}{5} \times \frac{2}{3} =$	A $\frac{3}{15}$ B $\frac{2}{15}$ C $\frac{13}{15}$ D $\frac{3}{10}$	A ○ B ○ C ○ D ○	
16. $\frac{2}{3} \times 5 =$	A $\frac{10}{15}$ B $5\frac{2}{3}$ C $\frac{2}{15}$ D $3\frac{1}{3}$	A ○ B ○ C ○ D ○	

For Q 17, 18 & 19, convert the following units of mass to the next smallest unit:

		A	B
17. 0.5g	A 0.5 mg B 0.500 g C 0.500 mg D 500 mg	A ○ B ○ C ○ D ○	
18. 1kg,	A 1.000 kg B 1000 mg C 1000 g D 100 g	A ○ B ○ C ○ D ○	
19. 0.25mg	A 250 mcg B 0.250 mg C 0.0025mcg D 25mcg	A ○ B ○ C ○ D ○	
20. Which of these would hold closest to 5 ml?	A a tablespoon B a teaspoon C a tea cup D a drop from an eye-dropper	A ○ B ○ C ○ D ○	
21. A swing can hold a maximum weight of 70kg. John weighs 45kg, Mary weighs 24kg and Lucy weighs 35 kg. Which two cannot go safely together on the swing?	A Mary and John B John and Lucy C Lucy and Mary D no pair of them	A ○ B ○ C ○ D ○	
22. You have a bottle of 100ml of medicine. The strength of the medicine is 5mg per 2 ml. If you give 20ml, how many mg are you giving?	A 50 mg B 8 mg C 25 mg D 1 mg	A ○ B ○ C ○ D ○	
23. If Peter eats 100 lollies he will need to have 5 dental fillings in his teeth. Based on the same ratio of lollies to dental fillings, if Rebecca has 120 lollies how many dental fillings can she expect to have?	A 12 fillings B 4 fillings C 10 fillings D 6 fillings	A ○ B ○ C ○ D ○	
24. If Julie has 500 songs on her ipod and it cost her $750, based on the same pricing, how much would Sam have paid for his 400 songs?	A $266.67 B $937.50 C $600 D $650	A ○ B ○ C ○ D ○	
25. $5 : 8 = x : 20?$ $x = \ ?$	A 32 B 12.5 C 17 D 12	A ○ B ○ C ○ D ○	