

# Working with Nursing, Pharmacy & Medical Schools



**SN@P Assessment & Education** work in partnership with UK wide higher education, nursing, medical and pharmacy schools to support pre-registration undergraduate degree and higher level apprenticeship programmes. At SN@P we deliver tailored numerical services as an academic and student resource to:

- Standardise the content of numerical assessments facilitated by partner HEI programmes within their region
- Provide academic staff with access to over 4,500 profession tailored numerical scenarios applicable for mock and formal examinations
- Provide academic staff and learners with a robust, user friendly and valid process for assessing numerical competence
- Capture data in real time regarding the progress of learner's from a confidence perspective as well as competence
- Reduce academic workload through automatic generation and marking of assessments by the system
- Enhance the integrity of results by removing restrictions on how answers in online assessments should be formatted. For example, learners shouldn't lose marks for entering '1/2' instead of '0.5'.
- Provide prospective higher education learners and higher level apprentices with insight into the level and context of numeracy required to gain entry and complete an undergraduate programme
- Support admissions and selection processes through the use of an 'anytime, anywhere' access resource tailored to pre-entry requirements to higher education healthcare programmes



**Nursing**



**Medicine**



**Pharmacy**

## Working with SN@P Assessment tools

Administrators can access SN@P Assessment through clicking on the 'Assessment' tab and logging in via the Login/Register pane



**New Users**

[Register For An Account](#)

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**Existing Users**

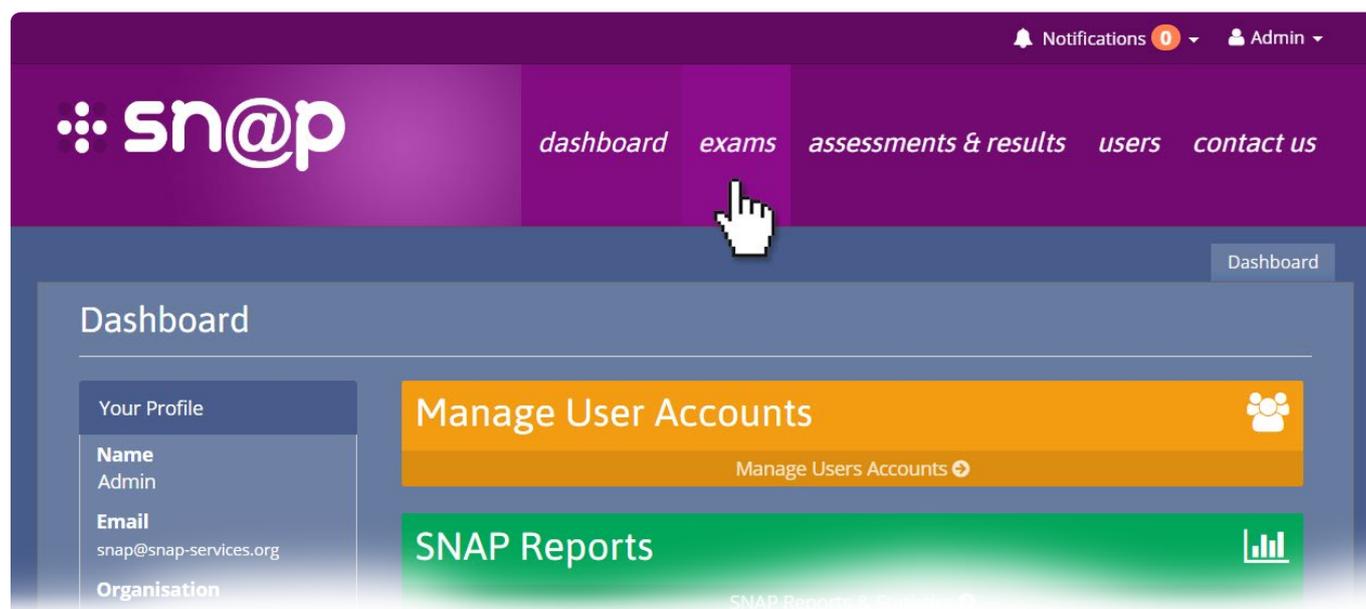
Email:

Password:

[Sign In](#)

[Forgot Password?](#)

Click on 'exams' to access the exam section where you can view existing exams you have in your account.



**+ Create Exam**

## Creating an Exam

You can create a new exam for your students or staff by clicking the 'Create Exam' button.

### Fill in basic details of the exam in the panel:

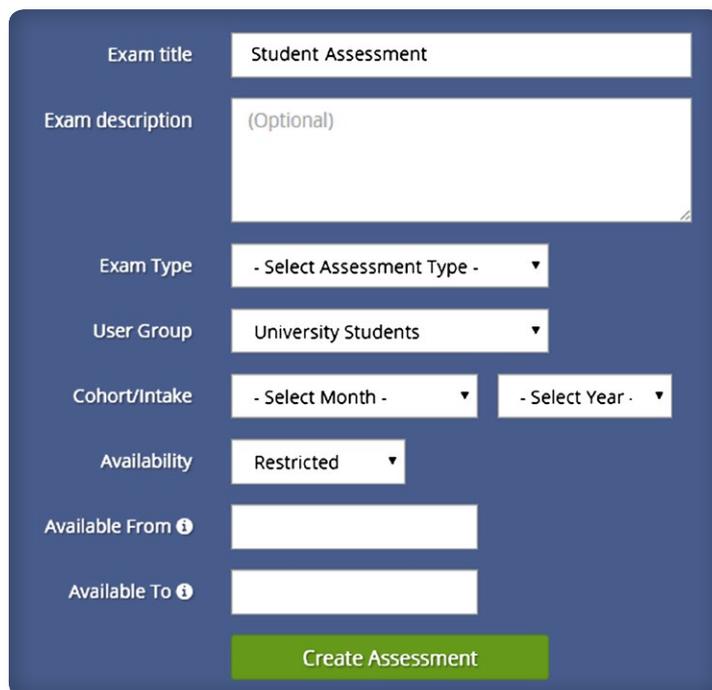
Give your exam your chosen title

Provide your candidates with a description or message regarding their exam

Create mock or summative exam types

Identify the user group the exam is for, i.e. student, health professional etc.

Restrict the dates your assessment is available within, or set it as unlimited access



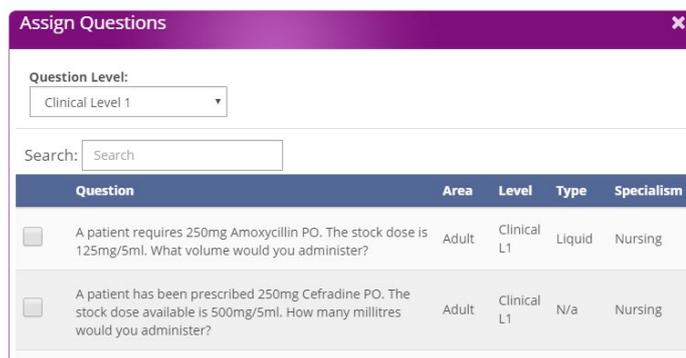
The screenshot shows a form for creating an assessment. The fields are as follows:

- Exam title:** Student Assessment
- Exam description:** (Optional)
- Exam Type:** - Select Assessment Type -
- User Group:** University Students
- Cohort/Intake:** - Select Month - and - Select Year -
- Availability:** Restricted
- Available From:** [Empty date field]
- Available To:** [Empty date field]
- Button:** Create Assessment

## Tailor your assessment questions

Manually select specific individual healthcare and numerical calculation questions to assign them to your exam.

Alternatively, use the auto-assign function and select the field, clinical level and drug administration type for the system to automatically select multiple questions from the database that match your parameters.

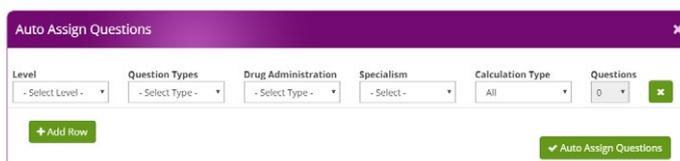


The screenshot shows the 'Assign Questions' panel. It includes a search bar and a table of questions.

**Question Level:** Clinical Level 1

**Search:** Search

Question	Area	Level	Type	Specialism
<input type="checkbox"/> A patient requires 250mg Amoxicillin PO. The stock dose is 125mg/5ml. What volume would you administer?	Adult	Clinical L1	Liquid	Nursing
<input type="checkbox"/> A patient has been prescribed 250mg Cefradine PO. The stock dose available is 500mg/5ml. How many millilitres would you administer?	Adult	Clinical L1	N/a	Nursing



The screenshot shows the 'Auto Assign Questions' panel. It includes several filters and a button to auto-assign questions.

**Level:** - Select Level -

**Question Types:** - Select Type -

**Drug Administration:** - Select Type -

**Specialism:** - Select -

**Calculation Type:** All

**Questions:** 0

**Buttons:** + Add Row, Auto Assign Questions

## Accessing your assessment

Once you have created your exam, the system will provide a unique assessment code that can be typed into the system to access the related exam.

The code can be displayed as a large full screen view so it can be clearly viewed in a classroom or at an assessment facility.

Alternatively, use the 'Share Code' function to email the code to its target groups or drop it in to internal communication forums such as Intranet, Moodle or Blackboard. No need to assign the assessment or for your candidates to log in to their personal SN@P account to gain access.



## Viewing completed assessments and results

The SN@P system allows tutors to view complete details of exam results for groups and individuals with the tools to quickly identify trends and patterns in the results and release them to users.

Select to view summative or mock papers

Select the assessment that has been completed

List of users who have taken the assessment with completion date, mark and facility to release results

### Assessments & Results

Exam Type: Summative Exams

Exam Taken: Chester test (1)

Name	Start/Submitted	Result	View
<b>Kieran Kelly</b> <small>k.kelly@chester.ac.uk</small>	Started: <b>1:52pm 7th Apr 2016</b> Submitted: <b>1:53pm 7th Apr 2016</b>	0% <span style="background-color: #4CAF50; color: white; padding: 2px 5px;">↶ Release</span>	<span style="border: 1px solid #ccc; padding: 2px;">📄</span>

↶ Release All Results

## Performance analysis on completed exams

Release results to your students and staff which automatically emails a performance related feedback report of their completed and marked assessment. The report includes:

- Overview of correct and incorrect answers
- Overall mark per question and for exam
- Analysis of calculations and drug administration type that were marked correct and incorrect
- Links to SN@P Education resources tailored to their numerical learning needs

Exam Start Time: 1:52pm 7th Apr 2016

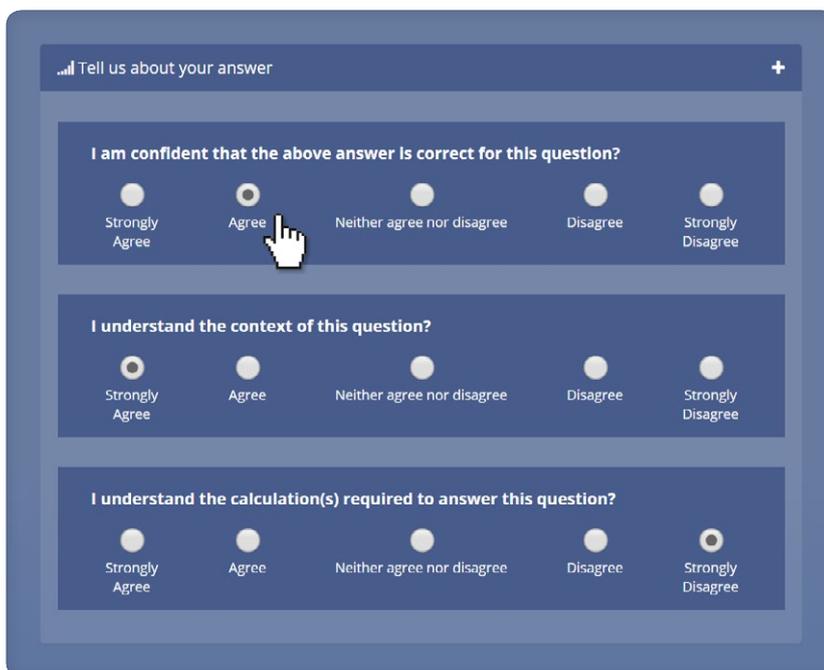
#	Question	Answer	You Answered	Result
1	You need to administer 2mg Prazosin PO. The tablets available are 500mcg. How many would you administer?	4 tablets	10 tablets	
2	A patient is prescribed Valdoxan 25mg to treat major depression. In stock is 25mg tablets. How much tablets are required?	1 tabs	10 tabs	
3	You need to administer 40mcg Kg Mecasermin SC. The vials available are 10mg/ml and your patient weighs 36.5Kg. What volume would you administer?	0.146 millilitres		
4	Diocalm Ultra 1mg tablets is prescribed to manage muscle spasm in client. In stock is 2mg tabs. How many tablets are to be administered?	0.5 tabs		

## Access exam statistics and performance analysis data

- Volume of assessments completed
- Percentage of assessments passed and failed
- Average mark attained

Detailed SN@P performance analysis data can help users understand why they failed a test:

- Identify how each core skill contributed to the overall result
- Identify specific questions or areas which resulted in a fail rating
- Establish why learners had difficulty in identified areas



Tell us about your answer

I am confident that the above answer is correct for this question?

Strongly Agree  Agree  Neither agree nor disagree  Disagree  Strongly Disagree

I understand the context of this question?

Strongly Agree  Agree  Neither agree nor disagree  Disagree  Strongly Disagree

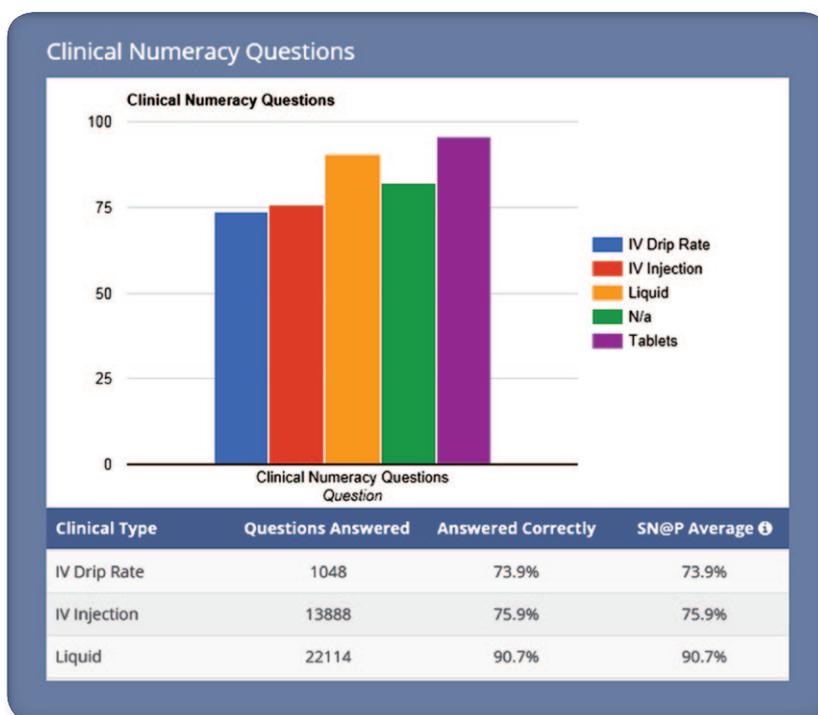
I understand the calculation(s) required to answer this question?

Strongly Agree  Agree  Neither agree nor disagree  Disagree  Strongly Disagree

Users can determine if failed assessments are a result of a lack of confidence, poor numerical understanding in context to the field or not understanding the calculation process. The data can be used to generate learner or group specific reports to support learning, teaching and course progression.

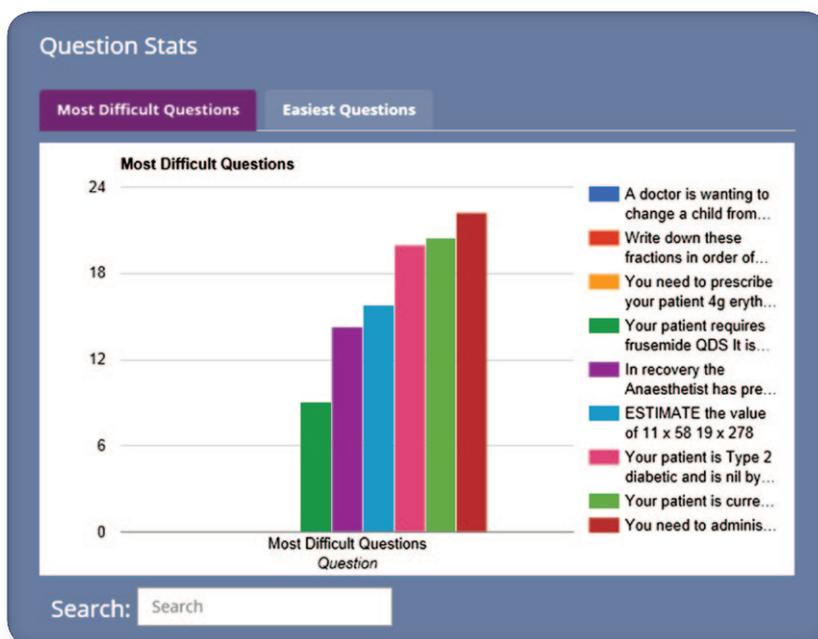
## Cause Analysis on assessment results

- Identify key themes across completed assessments
- Diagnose specific areas for future teaching plans
- Identify whether your learners lacked Competence of Confidence through the use of the SN@P Confidence report



## Use trend data to identify how specific questions contributed to results

- Identify questions causing the highest pass rates
- Identify questions causing the highest fail rates
- Identify questions which may be causing confusion or ambiguity amongst your learners
- Highlight questions to be included in suggested learning plans your staff may have when using SN@P Education



## SN@P Education

SN@P Education provides excellent educational resources which compliment students' revision within the assessment area of the website. 95% of current registrants are passing their course assessments on the first attempt following the use of the SN@P Education platform.

### Explore the SN@P education platform and take advantage of:

- **General numeracy videos:** A qualified maths teacher focusing on fractions, percentages, ratios, etc.
- **Clinical numeracy videos:** Clinicians running through real-life drug calculations and how to do them
- **SN@P-short eLearning:** snippets of basic numeracy training broken down into modules
- **Key formulas:** Revise this list and apply to your drug calculation assessments
- **E-Tutorials:** Book a tutorial with a subject expert to discuss any numerical queries via a Skype session

### Podcast 2

- Accurately perform dose per weight calculations
- Convert dose per minute into dose per hour
- Calculate minimum dilutions and infusion periods accurately



### AMINOPHYLLINE 35MG/HR

Drug Calculations

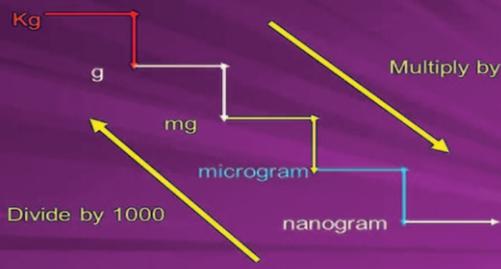
WIC Formula

$$\frac{W}{35mg} \times \frac{I}{350ml} = G$$

Answers



### Converting Units



Multiply by 1000

Divide by 1000



## Core functional numeracy tutorials

Access to core functional skills tutorials focusing on the key aspects of numeracy relevant to calculations within nursing, pharmacy, medicine and midwifery.

Don't distract your learners with aspects irrelevant to their profession - contextualise with SN@P Education.

## Access step by step tutorials covering:

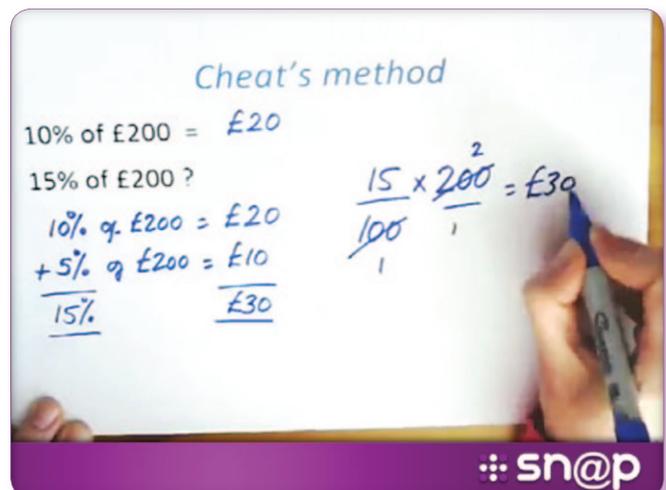
- Theory behind drug calculations explained in detail
- Common formulae for clinical numeracy explained and demonstrated
- Common mistakes highlighted
- Live demonstrations enacted

*Cheat's method*

10% of £200 = £20  
 15% of £200 ?

10% of £200 = £20  
 + 5% of £200 = £10  
15%                      £30

$\frac{15}{100} \times \frac{200^2}{1} = £30$

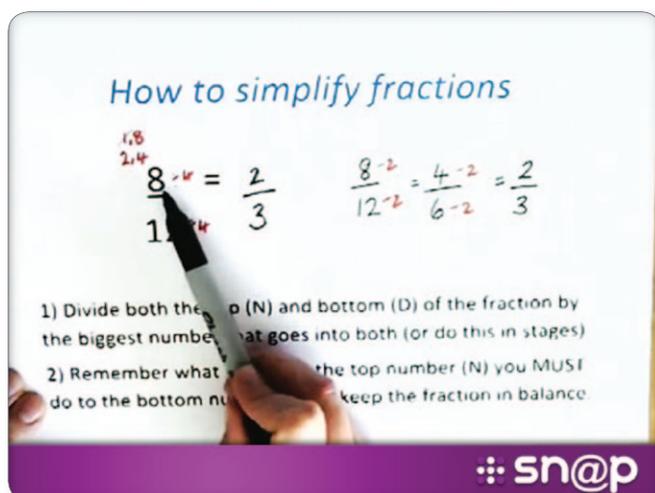


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*How to simplify fractions*

$\frac{8}{1} = \frac{2}{3}$        $\frac{8^{-2}}{12^{-2}} = \frac{4^{-2}}{6^{-2}} = \frac{2}{3}$

1) Divide both the top (N) and bottom (D) of the fraction by the biggest number that goes into both (or do this in stages)  
 2) Remember what you do to the top number (N) you MUST do to the bottom number (D) to keep the fraction in balance



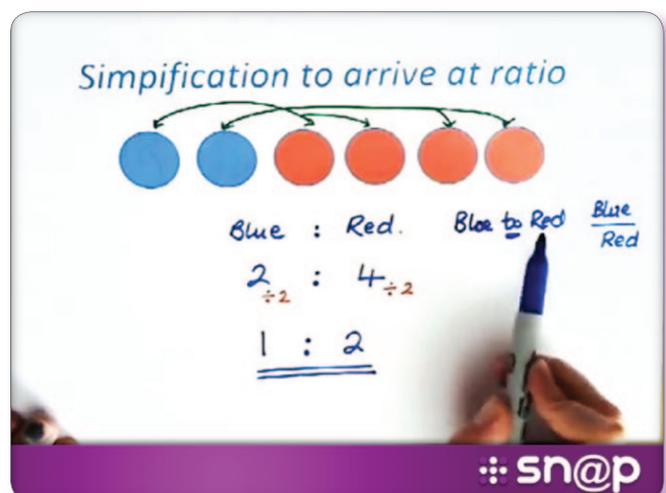
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*Simplification to arrive at ratio*

Blue : Red      Blue to Red       $\frac{\text{Blue}}{\text{Red}}$

$\frac{2}{\div 2} : \frac{4}{\div 2}$

1 : 2



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## SN@P Tutor Chat

offers online tutorials with subject matter experts to allow learners and professionals to discuss any numerical queries and become better prepared for assessment and numerically confident within their profession.

### SNAP Education - E-Tutorials

July  
**12**  
2016

SN@P Numerical support tutorial  
with subject expert

**Tuesday 12th July 2016**  
08:23 → 15:32

SN@P Numerical support tutorial with subject expert. SN@P Numerical support tutorial with subject expert

[Book On To This Session](#)

July  
**15**  
2016

SN@P Numerical support tutorial  
with subject expert

**Friday 15th July 2016**  
09:17 → 16:10

SN@P Numerical support tutorial with subject expert. SN@P Numerical support tutorial with subject expert

[Book On To This Session](#)