Auto Multiple Choice - Support # 841: Change questions after x copies with the same question

Status:	New	**Priority:**	Normal
Author:	Josef Eiglsperger	**Category:**	
Created:	07/15/2022	**Assignee:**	
Updated:	07/29/2022	**Due date:**	
Description:	I have a question to which I didn't find a solution in the docs to. I want to have a certain number of copies with the same question (their order can be shuffled), let's say four. After these, I want to change the questions, like it is really nice to do with AMC. Again, for a certain number of copies with the same questions. This is really nice when having multiple small exam groups, where every group should get another exam, but the exam for every group should stay the same. My solution right now would be, to just create a certain number of distinct exams, and then manually photocopy them (to let's say four. But maybe you already implemented a solution to this, but I couldn't find it myself...		

History

07/15/2022 11:44 am - Frédéric Bréal

I do not understand your request.

Do you want something like that :

copies 1 to 4 : questions A & B

copies 5 to 9 : questions C & D

etc

or

copy 1 : questions A, B , C, D

copy 2 : questions E, F, G, H

etc

?

07/15/2022 11:58 am - Frédéric Bréal

Sorry i didn't read the title. My first and not tested idea : trying to use a modulo function with the sheet number.

07/15/2022 12:56 pm - Frédéric Bréal

- File test-question-reprise.tex added

a suggestion

07/15/2022 04:54 pm - Josef Eiglsperger

Thanks for your answer, but after playing around I figured out, the simplest way is to just make x different exams and then photocopy it :)

07/15/2022 04:55 pm - Josef Eiglsperger

But I'll definitely will try out your suggestion as well!

07/15/2022 07:38 pm - Josef Eiglsperger

Nice solution to this problem, I tried it out and it works fine!

But how would you implement it when having multiple groups of questions? So in your example grouß#1, group#2, group#3, etc.?

That would also really nice, but I have no clue, trying to figure that out for a while...

07/16/2022 09:46 am - Frédéric Bréal

- File test-question-reprise-2.tex added

- File test-question-reprise.tex added

two files with a different modulo.

07/16/2022 12:17 pm - Josef Eiglsperger

Sorry, I think I stated my question not clear enough.
In your solution, you can sample from two groups, but all groups contain all questions when I understood it correctly.
I thought of having multiple groups of questions like history, physics, biology, etc. And then sample e.g. one question from each group, so one question from biology, one from physics, one from history.
So not just having group#1 like in your script, but like group#1, group#2, group#3, etc.

07/16/2022 02:24 pm - Frédéric Bréal

- File test-question-reprise-3.tex added

- File test-question-reprise-4.tex added

I used a command from an Alexis Bienvenüe's file (@\def\fillgroup#1@) to create fasterly many groups.
Two files with the common method.

07/18/2022 07:51 am - Josef Eiglsperger

Ah ok, now I fully understand these commands.. thank you!
Works well and is really easy to do so, nice!

07/20/2022 03:31 pm - Josef Eiglsperger

One last question maybe to this topic:
By setting the option
<pre>
noshuffle
</pre>
the order of the answers stays the same. But the order of the questions itself still changes from sheet to sheet or student to student, respectively. How can I keep the order of the questions for every student, who gets the same test, the same?

07/20/2022 08:06 pm - Frédéric Bréal

2 ways

Before @onecopy@ and after @\begin{document}@ : @\setdefaultgroupmode{fixed}@ or option package @noshufflegroups@.

07/21/2022 08:01 am - Josef Eiglsperger

As far as I can tell, the package @noshufflegroups@ is in conflict with @\shufflegroup{group}@ commands I set, but the @\setdefaultgroupmode{fixed}@ works quite well, thanks!
I recognized that if I change sampling of the questions for every group like you suggested:
<pre>
\cleargroup{all}
\copygroupfrom[1]{easy1}{all}{\thecalculate}
\copygroupfrom[1]{easy2}{all}{\thecalculate}
\copygroupfrom[1]{easycalculations}{all}{\thecalculate}
\copygroupfrom[1]{semiothers}{all}{\thecalculate}
\copygroupfrom[1]{semiregression}{all}{\thecalculate}
\copygroupfrom[1]{semiclassification}{all}{\thecalculate}
\copygroupfrom[1]{semipreprocessing}{all}{\thecalculate}
\copygroupfrom[1]{semievaluation}{all}{\thecalculate}
\copygroupfrom[1]{hard1}{all}{\thecalculate}
\copygroupfrom[1]{hard2}{all}{\thecalculate}

\insertgroup{all}

\ifthenelse{\intcalcMod{\AMCStudentNumber}{4} = 0}
{\addtocounter{calculate}{1}}{\relax}
</pre>
The questions from one group of questions will stay the same for every group of students, when the students group number exceeds the number of questions in a group. For example, when I sample questions for student group number 5, but questions group semiregression only has 4 questions, student group 5 will get the same questions from question group semiregression like student group 4. That why I reshuffled the questions after this happens:
<pre>
\ifthenelse{\thecalculate > 2 \AND \intcalcMod{\AMCStudentNumber}{4} = 0}{\shufflegroup{semiregression}}{\relax}
\ifthenelse{\thecalculate > 3 \AND \intcalcMod{\AMCStudentNumber}{4} = 0}{\shufflegroup{semiclassification}}{\relax}
\ifthenelse{\thecalculate > 4 \AND \intcalcMod{\AMCStudentNumber}{4} = 0}{\shufflegroup{easycalculations}}{\relax}
\ifthenelse{\thecalculate > 4 \AND \intcalcMod{\AMCStudentNumber}{4} = 0}{\shufflegroup{semipreprocessing}}{\relax}
\ifthenelse{\thecalculate > 7 \AND \intcalcMod{\AMCStudentNumber}{4} = 0}{\shufflegroup{hard1}}{\relax}
\ifthenelse{\thecalculate > 7 \AND \intcalcMod{\AMCStudentNumber}{4} = 0}{\shufflegroup{hard2}}{\relax}
\ifthenelse{\thecalculate > 8 \AND \intcalcMod{\AMCStudentNumber}{4} = 0}{\shufflegroup{easy1}}{\relax}
\ifthenelse{\thecalculate > 9 \AND \intcalcMod{\AMCStudentNumber}{4} = 0}{\shufflegroup{easy2}}{\relax}
\ifthenelse{\thecalculate > 9 \AND \intcalcMod{\AMCStudentNumber}{4} = 0}{\shufflegroup{semievaluation}}{\relax}
\ifthenelse{\thecalculate > 9 \AND \intcalcMod{\AMCStudentNumber}{4} = 0}{\shufflegroup{semiothers}}{\relax}
</pre>
And it seems like this doesn't work anymore, when is use the package option @noshufflegroups@

07/27/2022 10:59 am - Frédéric Bréal

This my fault, i forgot to delete this paragraph :
<pre>
Once a group is formed, it is possible to shuffle questions inside this group using the <command>\shufflegroup</command> command. For instance<programlisting>\shufflegroup{mygroup}</programlisting>
</pre>
\shufflegroup is deprecated.
Choose one mode (fixed, cyclic, withreplacement, withoutreplacement) rather \shufflegroup.

07/28/2022 10:22 am - Josef Eiglsperger

But when choosing one mode, the question get shuffled within one group of students or stay the same after reaching the last question of a group of questionss (which means that agter that, every group of students will get the same questions from this group of questions).
To prevent this, I added the code above. So that after reaching the last question of a group of questions and after a new group of students starts, the group of questions will be shuffled again.

07/28/2022 09:24 pm - Frédéric Bréal

Could you please post your file on the forum ou mail me (if confidential), if you don’t mind ?
I would like to try an idea.

07/29/2022 07:56 am - Josef Eiglsperger

I tried to make it not confidential, but still kept the answers, for example. That's why I'll send it to you via Mail and please you to treat it as confidential :)

Files

test-question-reprise.tex	1.5 kB	07/15/2022	Frédéric Bréal
test-question-reprise-2.tex	1.7 kB	07/16/2022	Frédéric Bréal
test-question-reprise.tex	1.6 kB	07/16/2022	Frédéric Bréal
test-question-reprise-3.tex	3.3 kB	07/16/2022	Frédéric Bréal
test-question-reprise-4.tex	3.4 kB	07/16/2022	Frédéric Bréal