

Teacher Information

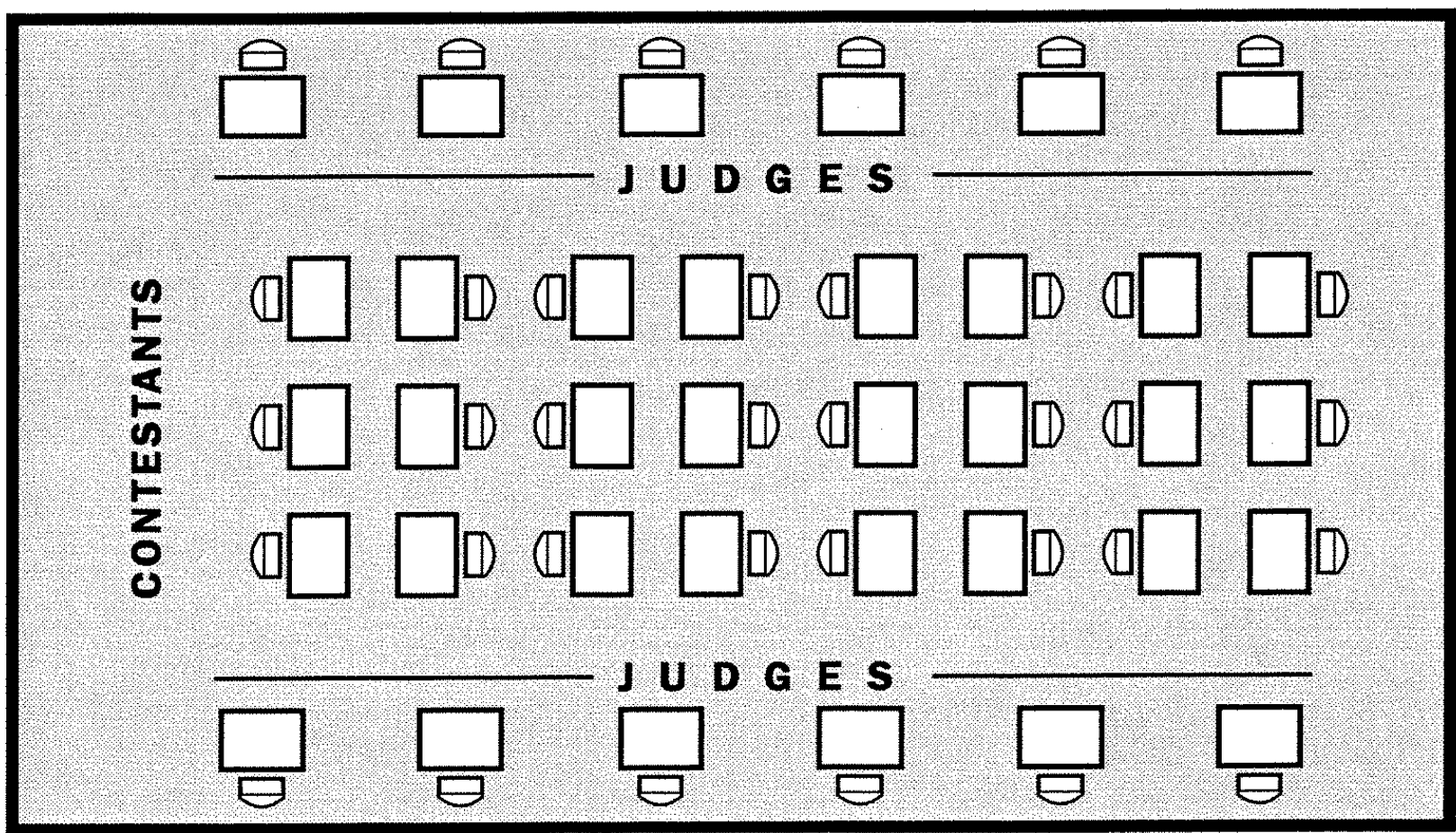
SETTING UP THE COMPETITIONS

This resource gives you and your students the necessary materials to run a math competition with a single classroom or with multiple classrooms taking part. It also enables you to choose school teams for external competitions. As well, the two sets of questions in each book can be used during regular math class as a fun activity.

Running a Competition with a Class

Below are possible arrangements for class competitions:

1. Survey your class to see which students would like to be competitors and which would like to be judges. Alternatively, you can designate students into each of the three roles.
2. Photocopy the necessary number of questions and marking sheets. Cut up the question sheets. Collate sets of twenty questions. Staple the twenty-five question strips along the left edge. These are 'question booklets' which will be held by the judges.
3. Allocate one hour of class time for the competition,
 - Set up and Instructions:** 20 minutes
 - Competition:** 30 minutes
 - Check answers and tidy up:** 10 minutes
4. Set up the classroom in a similar way to the format shown below:



Instructions

INSTRUCTIONS FOR COMPETITORS, JUDGES, AND SUPERVISORS

COMPETITORS

1. You have 30 minutes for this competition.
2. Collect your first question strip from the judge that you have been assigned to.
3. When you have written your answer to the first question in the answer box on the strip, run to your judge and give her or him the question strip. Your judge will say either, "Correct" or "Not Correct." If your answer is correct, you will be given your next question strip. If it is not correct, you must go back to your desk, sit down and **must make a second attempt at the question.** If the answer is still wrong, you can make as many attempts as you like to get the answer right or, you may pass and go to the next question. **You must make at least two attempts at each question.**
4. Any question that you pass on cannot be returned to later in the competition. Take care not to pass on questions too early in the competition or you could find yourself finishing early and watching other competitors overtaking you in the last few minutes. The supervisors will keep a running total of each competitor's score on blackboards/whiteboards and will count down the time remaining.
5. You must not discuss anything with your judge. If you have any problems, return to your desk, sit down and put up your hand. A supervisor will help you.

JUDGES

1. Set out your question booklets on the desk in front of you. You should label each set so that you know which competitor they belong to.
2. Ensure that your **Marking Sheet** is covered at all times when you are dealing with competitors.
3. When one of the competitors brings you a question to be marked, you must say, "Correct" or "Not Correct" only.
4. Keep your marking sheet up to date. Mark it with a score of '5' when a question is answered correctly (the answer has to be written down on the competitor's question slip). Write 'P' on your marking sheet if a question is passed by.
5. Tear the next question off a competitor's question booklet only when it is time to give them that question. This will make sure that you don't get the questions mixed up between competitors.
6. Place correctly answered or passed by questions under your chair so that other competitors cannot see the answers.
7. Write running totals for each competitor in the space provided on the answer sheet.

SUPERVISORS

1. As soon as the competitors are seated, write their names on blackboards/whiteboards to enable running totals to be kept for each competitor's score.
2. Have some spare marking sheets and question sheets ready in case of emergencies.

SET A Level 3 : Practice Question

Practice Question

Tina wants to buy a \$56 play station game. She pays $\frac{1}{4}$ off as a deposit. How much is left to pay?



ANSWER

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ANSWER

SET A Level 3 : Question 5

5a. There are 86 students in the senior school. How many netball teams of 7 can they enter into the tournament and how many students will be left over?



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ANSWER

SET A Level 3 : Question 10

10a. Aimee entered a diving competition. Here are the scores for her 6 dives:
5 6 7 4 6 8
Work out Aimee's average score.



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SET A Level 3 : Question 12

12a. The 'Coin Shop' has a special deal on. For every 5 items you buy at \$2 each you get one item free. How many items altogether would you get if you spent \$36 at the Coin Shop?




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SET A Level 3 : Question 15

15a. Helen collects stamps from around the world. She has 360 stamps altogether. If 25% are from Canada, what number of stamps are from other countries?




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SET A Level 3 : Question 17

17a. Sarah ate $\frac{1}{2}$ of her Candy Bar and divided the rest evenly among 3 friends. What fraction of the total Candy Bar did each of her friends get?




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ANSWER

Level 3 Math Competition

Certificate of Participation

This certifies that

_____ has participated in a Level 3 Math Competition

Let's compete

Signed _____ Date _____

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Certificate of Participation

This certifies that

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Let's compete

Signed _____ Date _____

Lets Compete

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Lets Compete

SET A Level 3 : Marking Sheet

Question.	NAME	NAME	NAME
e Question. \$42			
VER			
500g			
\$22			
\$15			
25			
12 teams & 2 left over			
18			
$\square = 5$ $\square = 8$ $\triangle = 3$			
60km			
36			
6			
18			
2:30pm			
\$15			
270			
\$50			
$\frac{1}{6}$			
16			
C			
20¢			
14.5			
\$7.25			
40			
135			
1461			
SCORES			

ANSWER KEY