Math Olympics Big Book – Table of Contents

About This Resource:

Give your students the necessary materials to run a math competition with a single classroom or 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. Included in this unit are the following: teacher information, instructions, practise question sets, level 2 question sets, marking sheets and certificates. The unit is recommended for Grades 4 to 6. This level 2 math competition will engage students while promoting a healthy competition between peers. This Math lesson provides a teacher information section and a student section with a variety of worksheets creating a well-rounded lesson plan.

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Let's compete

SET A *Level 2 : Practice Question*

Practice Question
Rusco has $4.00 to buy popsicles.
What is the greatest number he can buy?

55¢

ANSWER

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SET A *Level 2 : Question 14*

14a. Megan and Kelly went to a movie that started at 2:30pm and finished at 4:15pm. The movie had a 15 min intermission in the middle. How long was the actual movie?

MOVIES

ANSWER

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MOVIES

ANSWER

Let's compete

SET B *Level 2 : Question 15*

15b. 1 scoop of drink powder makes 1L of drink. How many scoops will be needed to make enough juice for 28 children to have 1 cup each? (1cup = 250ml)

ANSWER

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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.

ANSWER

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ANSWER

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5 6 7 4 6 8
Work out Aimee's average score.

ANSWER

SET A *Level 3 : Question 21*

21a. At 7am the thermometer in the glass house reads 6.8˚. At 1pm it reads 21.3˚. By how many degrees has it risen during the day?
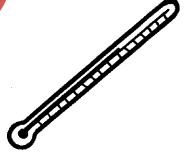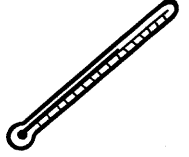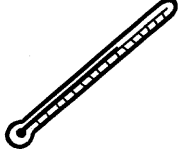**ANSWER**

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ANSWER

SET B *Level 3 : Question 15*

15b. Anthony collects postcards from around the world. He has 250 postcards altogether. If 40% are national ones, what number of postcards are international?
ANSWER

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ANSWER

SET A *Level 4 : Practice Question*

Practice
Mandy used 6 pieces of 75cm long wool to make a plait. This used up $1/4$ of a ball of wool. How many metres of wool was left on the ball?
ANSWER

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Mandy used 6 pieces of 75cm long wool to make a plait. This used up $1/4$ of a ball of wool. How many metres of wool was left on the ball?
ANSWER

Practice
Mandy used 6 pieces of 75cm long wool to make a plait. This used up $1/4$ of a ball of wool. How many metres of wool was left on the ball?
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Mandy used 6 pieces of 75cm long wool to make a plait. This used up $1/4$ of a ball of wool. How many metres of wool was left on the ball?
ANSWER

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Mandy used 6 pieces of 75cm long wool to make a plait. This used up $1/4$ of a ball of wool. How many metres of wool was left on the ball?
ANSWER

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Mandy used 6 pieces of 75cm long wool to make a plait. This used up $1/4$ of a ball of wool. How many metres of wool was left on the ball?
ANSWER

SET A *Level 4 : Question 24*

24a. What 3 numbers that add to 10 have the greatest answer when multiplied together?
ANSWER

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ANSWER

SET B *Level 4 : Question 25*

| 25b. | Philip has a penpal called Alan. It costs 48¢/minute for Philip to phone Alan but no more than $6 for the entire call. After how many minutes does Philip pay just $6 for his call? | ANSWER |

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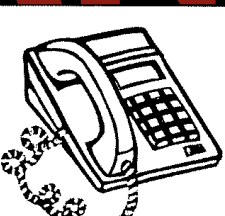| 25b. | Philip has a penpal called Alan. It costs 48¢/minute for Philip to phone Alan but no more than $6 for the entire call. After how many minutes does Philip pay just $6 for his call? | ANSWER |

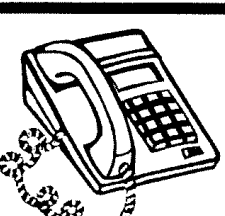| 25b. | Philip has a penpal called Alan. It costs 48¢/minute for Philip to phone Alan but no more than $6 for the entire call. After how many minutes does Philip pay just $6 for his call? | ANSWER |

SET B *Level 4 : Marking Sheet*

Question. $17.50	NAME	NAME	NAME
ANSWER			
458, 459, 460			
$9.00			
90¢			
10:30am Thursday			
$7\frac{1}{2}$ or 7.5			
Tortoise (by 1 min)			
8			
10			
$\frac{6}{9}$, $\frac{4}{6}$ and $\frac{2}{3}$			
25%			
1:35			
$400			
3000			
25%			
1hr 24mins or 84mins			
10			
$40			
50			
$15 discount - saves $2			
6			
74			
56			
2, 2, and 6			
$12\frac{1}{2}$ (or 12mins 30s)			
SCORES			