

# Mathematics

Activity Book

## Timed Math Problems

**Teacher Edition**

**GRADES 3-4**



**NewPATH**  
**LEARNING**®

# Contents

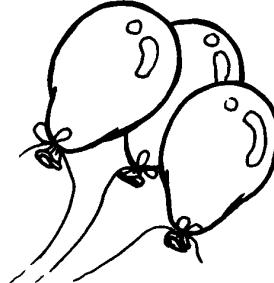
An Introduction .....	2
Teachers' Notes .....	4
<b>Five Minute Problems</b> .....	7
Making a List .....	7
Guess and Check .....	10
Find a Pattern .....	13
Solve an Easier Version of the Problem .....	16
Logical Reasoning .....	19
<b>Ten Minute Problems</b> .....	22
Making a List .....	22
Create a Diagram.....	24
Logical Reasoning .....	26
Guess and Check .....	29
Find a Pattern .....	31
Working Backwards .....	32
<b>Mixed Fifteen Minute Problems</b> .....	34-38
<b>Answers</b> .....	39-40

# Making a List

This strategy can be used to list all possible answers. You can use this technique when you need to gather and check all the information contained in the problem.

**Example:** There are three balloons in a bag (one yellow, one red, and one green). In how many different combinations can they be drawn out of the bag?

Answer:      Red, yellow, green  
                   Red, green, yellow  
                   Yellow, green, red  
                   Yellow, red, green  
                   Green, red, yellow  
                   Green, yellow, red  
                   = 6 combinations

**Strategy: Making a List**

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- Carl works in a bike shop. He is getting the front window display ready and has a mountain bike, a racer, and a tandem bike which he must place from left to right. How many ways could he arrange the bikes?

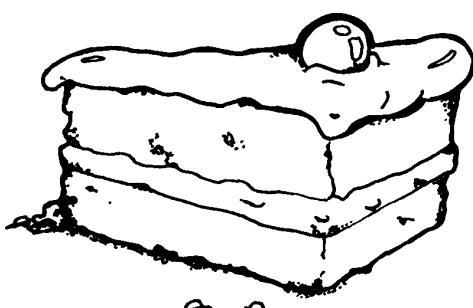
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**Strategy: Making a List**

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- Shelly had a choice of banana cake, mud cake, carrot cake, and apple slice at afternoon tea. She decided to try a piece of each. How many different orders could she eat the cakes in?

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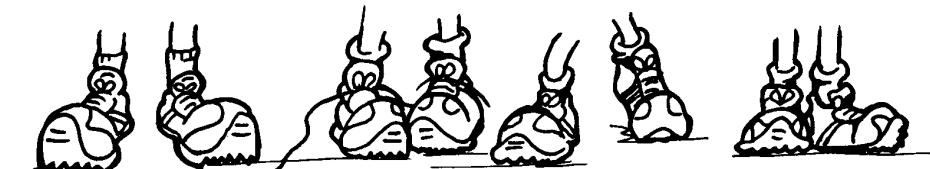


Strategy: Making a List

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3. Jonathan, Bill, Jane and Sue are about to run in a race.

How many different outcomes to the race are possible? .....



Strategy: Making a List

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4. George's Restaurant has soup or salad as entrees, roast or fish as a main course, and ice cream or jello for dessert. How many different combinations can be ordered?

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Strategy: Making a List

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5. Alicia goes to a video shop and rents four videos - one new release, one family film, one comedy, and one drama. She is going to watch them all in one day. How many different sequences can she use to watch the videos?

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