



Name _____ Class _____ Date _____

Guess and Check

Challenge:

Mrs. Number has made 20 chocolate brownies. She wants to split them between Neil Number and Neil's baby sister Nellie, making sure that Neil receives exactly six more than Nellie. How many brownies will each child get?

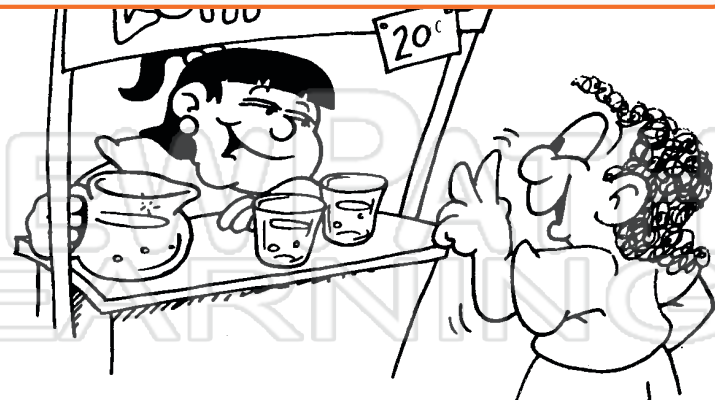
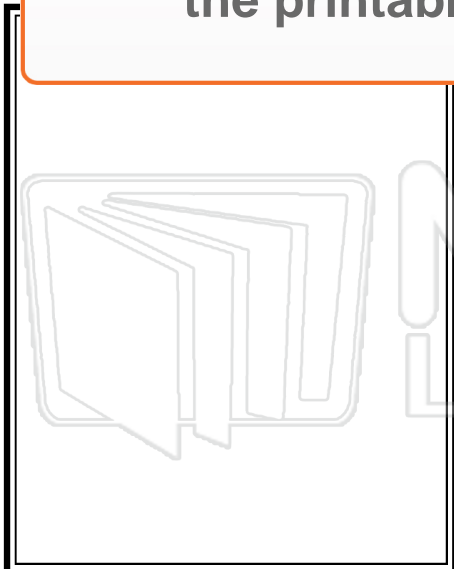


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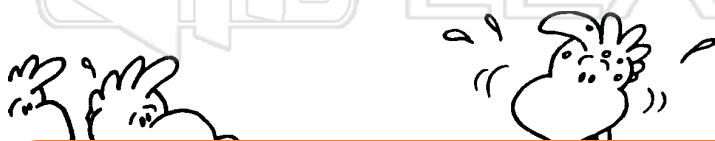
Name _____ Class _____ Date _____

Working Backwards

Challenge: Chicken Pox Panic.

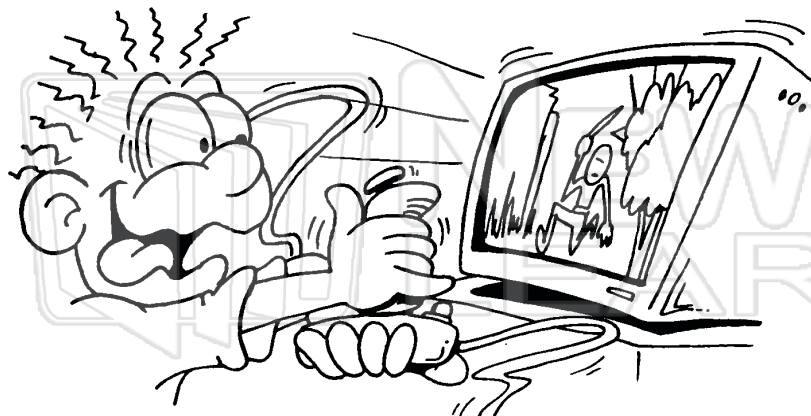
Counting Carrie was at school one day when all of a sudden children started showing signs of chicken pox. At 9:00 am half the children in the class were sent home. At 11:00 am, half of the remaining students were sent home. At 1:00 pm half of the remaining children were sent home. Carrie and Crazy Charlie were the only two left. How many students were in the class at the beginning of the day?

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Name _____ Class _____ Date _____

Working Backwards

Challenge:

Spacy Sam is having a birthday party with Mary Measure. They have both made up invitation lists. Sam has 12 people on his list and Mary has 15. Mrs. Measure has noticed that 7 people from Sam's list are on Mary's list. How many invitations will they need to send out altogether?



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Blank area for showing work.



Name _____ Class _____ Date _____

Use a table

Challenge: Pet Puzzle

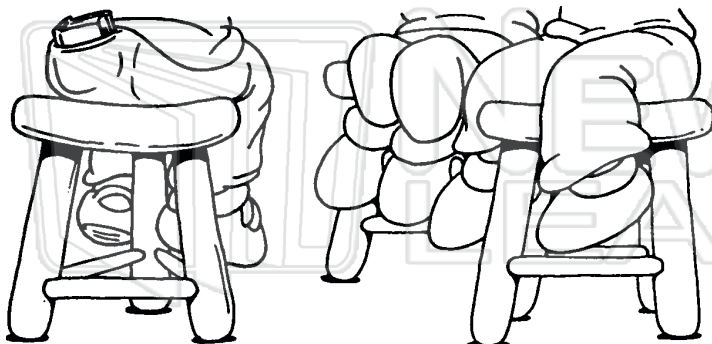
Crazy Charlie, Neil Number, Spacy Sam and Mary Measure each bought a new pet at the pet shop. The four pets included a poodle, a goldfish, a German shepherd and a kitten. Use these clues to work out who bought what:

Neil Number and Crazy Charlie don't like dogs. Mary always wanted a smaller dog and Neil could only afford to buy the goldfish.

	Poodle	Goldfish	German shepherd	Kitten
Neil				

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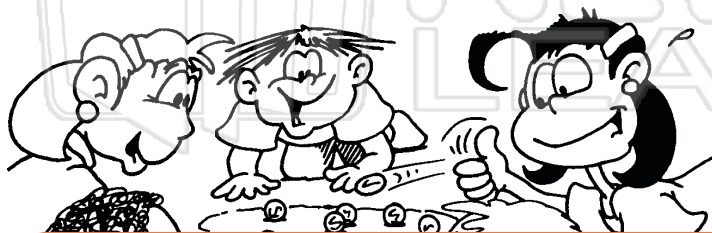


Name _____ Class _____ Date _____

Draw a Picture

Challenge: Marble Whiz

8 children are in a marble competition. They play in pairs and then the winners of each game play each other until there is only one winner left. How many games will have been played altogether?



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Show your work here:

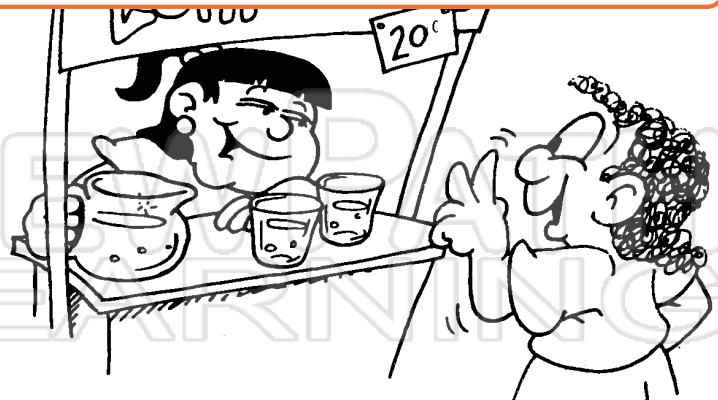
Neil - 13,
Nellie - 7



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17 customers





Name _____ Class _____ Date _____

Working Backwards

Challenge: Chicken Pox Panic.

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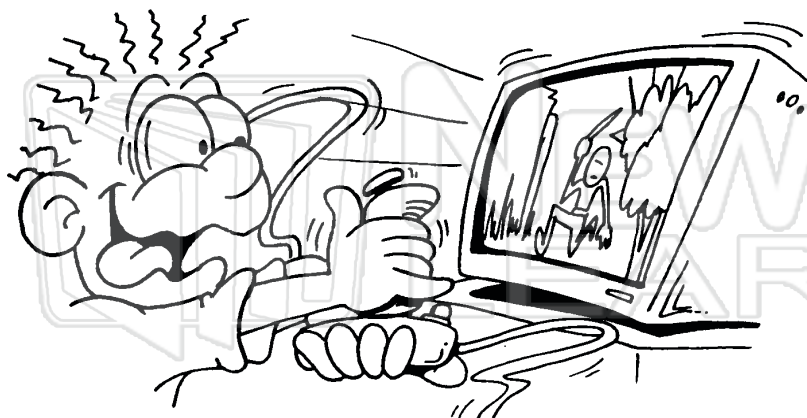
Show your work here:

16 children



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Show your work here:

7 days



Name _____ Class _____ Date _____

Working Backwards

Challenge:

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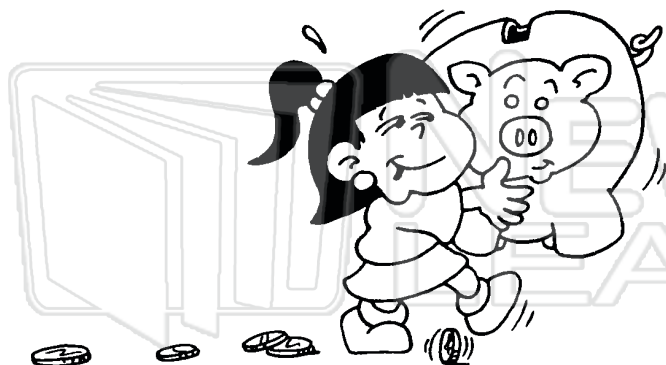
Show your work here:

20



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255 coins



Name _____ Class _____ Date _____

Use a table

Challenge: Pet Puzzle

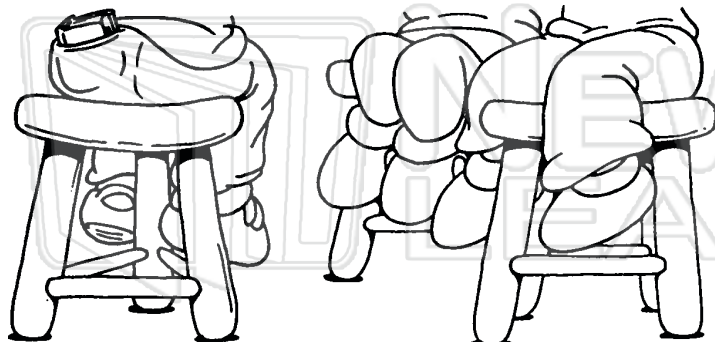
Crazy Charlie, Neil Number, Spacy Sam and Mary Measure each bought a new pet at the pet shop. The four pets included a poodle, a goldfish, a German shepherd and a kitten. Use these clues to work out who bought what:

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	Poodle	Goldfish	German shepherd	Kitten
Neil		X		

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Show your work here:

Six 3 legged stools and nine 4 legged stools

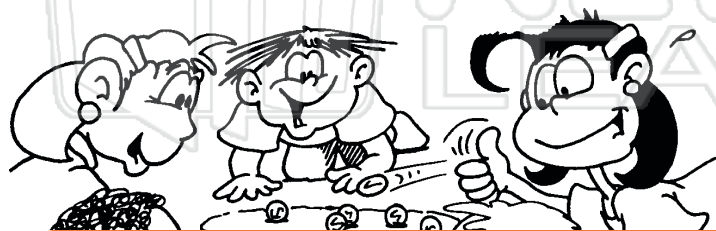


Name _____ Class _____ Date _____

Draw a Picture

Challenge: Marble Whiz

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Show your work here:

7 games



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Mary

Carrie

Neil