Problem Solving 6

Dan played 3 games of marbles. In the 1st game, he lost 1/2 of his marbles. In the 2nd game he won 4 marbles.

In the 3rd game, he doubled his number of marbles.

He finished with 32 marbles.

How many marbles did Dan start with?

Can you solve this problem in more than one way?

Solve using Pictures / Numbers / Words

Problem Solving 7

A teacher promised her class a pizza party.

She would like to figure out what it would cost.

Each of the 24 students in her class will eat 2 pieces of pizza.

A small pizza with 6 slices costs $12.95 and a large pizza with 8 slices costs $13.95.

How many pizzas should she order? How much will this cost?

Solve using Pictures / Numbers / Words

Problem Solving 8

Katie and Amy went shoe shopping this week.

They each found a cool pair of shoes to buy.

The shoe store was having a special sale: buy 1 pair and get the 2nd pair at 1/2 price.

Katie’s pair of shoes cost $50 and Amy’s cost $35.

If Katie and Amy buy their shoes together in order to get the discount, how much should each person pay?

What is fair?