## (c) Before Yyou Teach

## Principles \& Standards

## Principles E Standards for School Mathematics outlines the essential components of an effective school mathematics program.

## The NCTM's Principles \& Standards for School Mathematics

The Principles are the fundamentals to an effective mathematics education. The Standards are descriptions of what mathematics instruction should enable students to learn. Together the Principles and Standards offer a comprehensive and coherent set of learning goals, serving as a resource to teachers and a framework for curriculum. Our resource offers exercises written to the NCTM Process and Content Standards and is inspired by the Principles outlined below.

Six Principles for School Mathematics


Our resource correlates to the six Principles and provides teachers with supplementary materials which can aid them in fulfilling the expectations of each principle. The exercises provided allow for variety and flexibility in teaching and assessment. The topical division of concepts and processes promotes linkage and the building of conceptual knowledge and understanding throughout the student's grade and elementary school career. Task sheet problems offer space for reflection, and opportunity for the appropriate use of technology. The drill sheets are provided to help students with their procedural proficiency skills.

Task Sheet 5
5) Sarah bought two t-shirts and three posters at a concert. She paid with two $\$ 100$ bills.

T-shirts: \$45 each
Posters: $\$ 15$ each
Show at least three different ways Sarah
 would get change using $\mathbf{\$ 5}$, $\mathbf{1 0}$, and $\mathbf{\$ 2 0}$ denominations.

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## Review B

Galen and Tessa go to the target range for archery practice. Colors on the target indicate a different number of points.

- Yellow is 50 points
- Red is 40 points
- Blue is 30 points
- Black is 20 points
- White is 10 points

Answer the following questions using the information above. Remember to show your work and explain your thinking using diagrams, pictures, and corts.
a) What are all the ways Galen can score $\mathbf{2 0 0}$ points?

Show your work:

Answer:


## Calculating Popsicle Sales

The School Parent Council is having a Popsicle sale to raise money for the school library.
Look at the section of the circle graph carefully. The smallest section will be the least number of popsicles sold. Using the information below, finish the circle graph by writing the grade and amount of popsicles sold into their corresponding section.

Grade 1: 48 Popsicles sold
Grade 4: 15 Popsicles sold

Grade 2: 18 Popsicles sold
Grade 5: 30 Popsicles sold

Grade 3: 25 Popsicles sold Grade 6: 19 Popsicles sold

a) Which grade bought the most popsicles?
b) Which grade bought the fewest popsicles?
c) How many more popsicles did the Grade 1s buy than the Grade 5s? $\square$
d) How many popsicles were sold in all? $\square$

