

Adding and Subtracting Penguins

OBJECTIVES

Students will solve math problems about penguins.

MATERIALS

per student:

- Adding and Subtracting Penguins*** funsheet on page 21
- pencil
- scratch paper

per class:

- tape measure
- butcher paper

ACTION

1. Photocopy the ***Adding and Subtracting Penguins*** funsheet and distribute to students. Explain new vocabulary words before students begin the exercises. Students complete question 4 on the back side of the funsheet.
2. For question 3, tape butcher paper to a wall and mark 44 inches on the paper. Label the mark "emperor penguin." Then mark each student's height on the same piece of paper.

DEEPER DEPTHS

Students use penguin information to write their own story problems.

ANSWERS

1. $26 - 13 = 13$
2. $7 \text{ eggs} + 9 \text{ penguins} = 16$
- 3b. (Example) *Debbie is 36 inches tall. She is shorter than an emperor penguin.*
- c. (Example) $36 \text{ in.} < 44 \text{ in.}$

How does a student's height compare to the height of an emperor penguin?



Adding and Subtracting Penguins

1. There are 26 penguin mothers and chicks on the ice. Of these, 13 are chicks. How many are penguin mothers?

2. Predators eat penguins and penguin eggs. If a seal eats three penguins, a skua eats seven eggs, a shark eats five penguins, and a killer whale eats one penguin, how many penguins and eggs were eaten by these predators?

_____ eggs + _____ penguins = _____ penguins and eggs

3. Emperor penguins are the largest of all penguins. Some reach 44 inches tall. Find out if you are taller, shorter, or the same height as an emperor penguin:

- a. How tall are you? Have your a partner or your teacher measure your height in inches. Write your height here:

- b. Write a sentence with words that compares your height to an emperor penguin.

- c. Write a math sentence comparing your height to an emperor penguin. Use the symbol $>$, $<$, or $=$.

4. Use the shapes below to draw a penguin. You may use each shape more than once. Draw on the other side of this paper.

