

The Hawaiian Islands

The chart shows information about the six largest Hawaiian islands. Use the information to complete the task.

Skills:

Organizing
Numbers in
Numerical
Order

Island	Area	Coastline
Hawai'i	4,028 square miles	266 miles
Kauai	552.3 square miles	90 miles
Maui	727.3 square miles	120 miles
Molokai	260.9 square miles	88 miles
Lanai	141 square miles	47 miles
Oahu	608 square miles	141 miles

1. Arrange the islands in order from smallest to largest area.

2. Arrange the islands in order from longest to shortest coastline.

3. Is the order of islands the same in both lists?

Explain why or why not.

Vacation Expenses

Skills:

Solving Multi-step Word Problems

Computing Sums of Money

Use the information on the list below to answer the questions.

\$ 450.83	Airfare
\$ 400.62	Hotel
\$ 135.00	Car Rental
\$ 39.80	Souvenirs
\$ 150.00	Scuba Diving & Surfing
\$ 220.00	Meals
\$ 40.75	Entrance Fees

1. How much did Ms. Boomer spend on her Hawaiian vacation?

2. Ms. Boomer saved \$125.00 a month for a year for her vacation. Did she have enough money for her expenses? Explain your answer.



Function Tables

Skills:

Completing a Function Table with up to Two Operations

1. Rule = $+2.45$

Input	Output
3	
2.1	
4.16	
	5.2

2. Rule = -3.25

Input	Output
5	
6.19	
7.4	
	3.5

3. Rule = $+1 -3$

Input	Output
5	
13	
19	
	20

4. Rule = $\times 2 + 1\frac{1}{2}$

Input	Output
5	
$1\frac{1}{2}$	
$3\frac{1}{4}$	
	$1\frac{1}{2}$

5. Rule = $\div 2 + 1$

Input	Output
8	
12	
15	
	15.5

6. Rule = $\times 3.2 + 4.9$

Input	Output
1.2	
0.8	
2	
	10.02

7. Rule = $\div 2 + 6.41$

Input	Output
4	
5	
8	
	11.91

8. Rule = $\times \frac{1}{3} + \frac{1}{4}$

Input	Output
3	
6	
9	
	$4\frac{1}{4}$

9. Rule = $\times \frac{1}{2} + \frac{1}{2}$

Input	Output
8	
9	
13	
	$8\frac{1}{2}$



What Is the Nickname for the Island of Hawai'i?

Skills:

Calculating
Equivalent
Fractions,
Decimals, and
Percents

Answer each question below. Then write the corresponding letter on the line above each answer. The letters will spell out the answer to the question.

- A What is the percent form of $\frac{1}{2}$? _____
- B What is the fraction form of 30%? _____
- D What is the decimal form of 40%? _____
- E What is the fraction form of 80%? _____
- G What is the fraction form of 75%? _____
- H What is the fraction form of 0.25? _____
- I What is the decimal form of 43%? _____
- I What is the fraction form of 40%? _____
- L What is the decimal form of 80%? _____
- N What is the percent form of 0.9? _____
- S What is the percent form of 0.09? _____
- T What is the decimal form of $\frac{1}{2}$? _____



0.5	$\frac{1}{4}$	$\frac{8}{10}$	$\frac{3}{10}$	$\frac{2}{5}$	$\frac{3}{4}$
0.43	9%	0.8	50%	90%	0.4

Remember:

Follow these steps to change a fraction to a percent:

1. Divide the numerator by the denominator.
2. Add a decimal point in the correct place.
3. Write the decimal as a fraction with 100 as the denominator.
4. Change the fraction to a percent.

Example

$$\begin{array}{r} \frac{3}{4} \\ 4) 3.0 = 0.75 \\ 0.75 = \frac{75}{100} \\ \frac{75}{100} = 75\% \end{array}$$

Scuba Gear

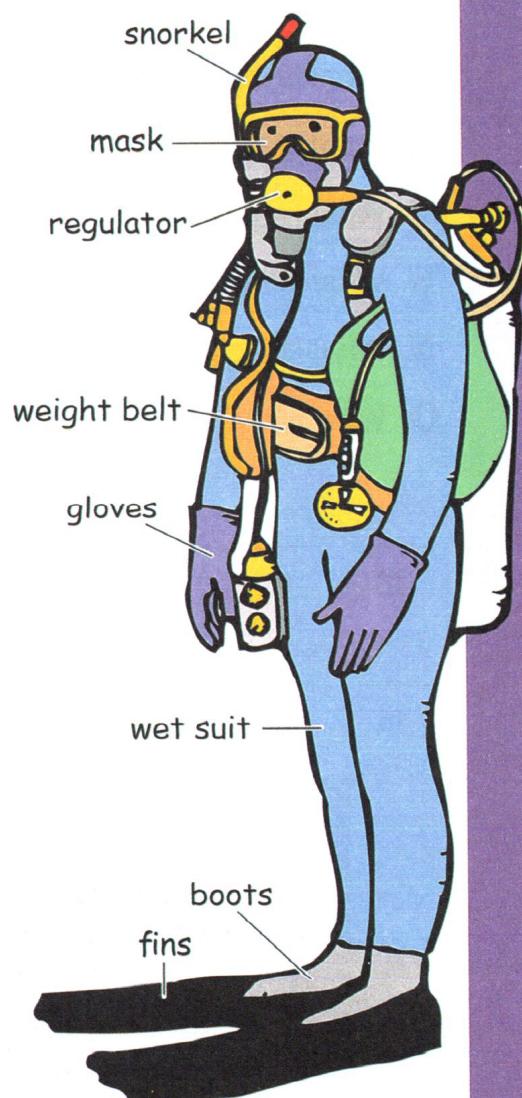
Jerome has been saving money so he can buy his own scuba gear. Use the information on the chart to help him determine how much money he needs.

- What is the total amount of money Jerome will need to buy everything on the list?

- Jerome's grandparents gave him the wet suit and mask as a graduation present. Now how much will Jerome have to save?

- If Jerome's parents agree to pay half of the remaining cost, how much will Jerome have to save?

- Jerome has already saved \$300. He plans to save half of his allowance each week until he has enough money. Jerome receives \$25 a week allowance. How many weeks will it take Jerome to save the rest of the money he needs?



Skills:

Solving Word Problems Containing Decimals

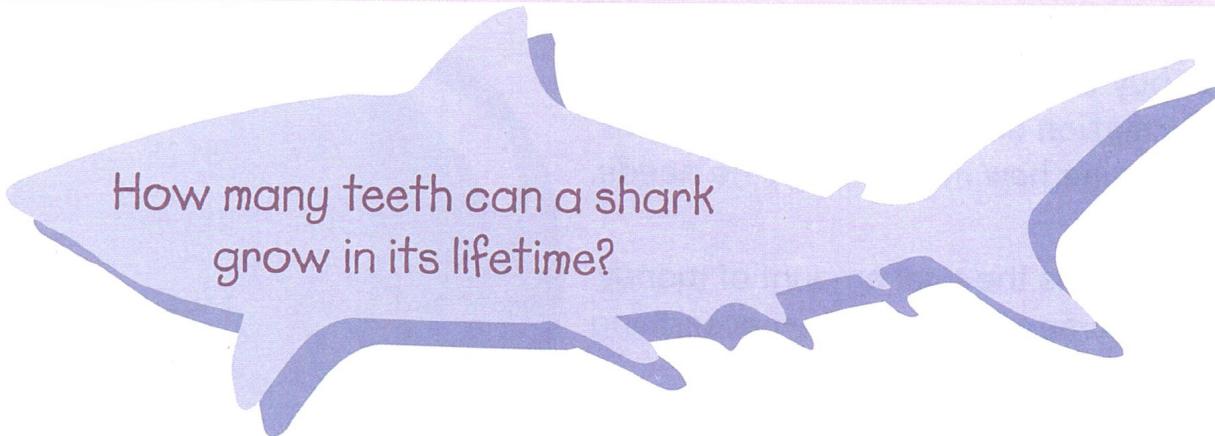
Calculating Equivalent Fractions

Aloha

Shark Quiz

Skills:

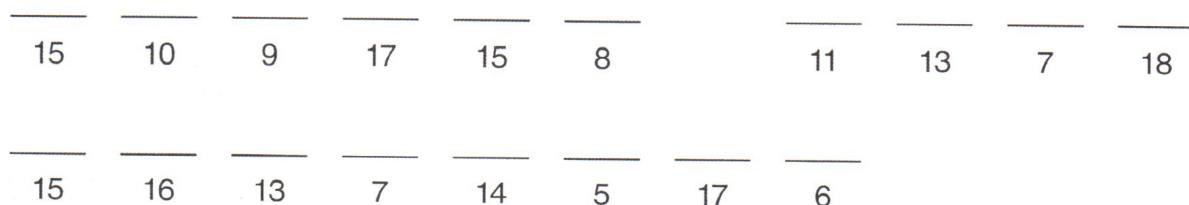
Calculating the Least Common Multiple (LCM) for Two Numbers Less Than 25



How many teeth can a shark grow in its lifetime?

To find the answer, determine the Least Common Multiple (LCM) for each set of numbers below. Then write the corresponding letter on the line above the LCM. The letters will spell out the answer.

- | | |
|--------------------------------------|--------------------------------------|
| A What is the LCM of 1 and 5? _____ | R What is the LCM of 18 and 3? _____ |
| D What is the LCM of 2 and 3? _____ | S What is the LCM of 14 and 2? _____ |
| E What is the LCM of 3 and 9? _____ | T What is the LCM of 3 and 5? _____ |
| F What is the LCM of 1 and 11? _____ | U What is the LCM of 1 and 7? _____ |
| H What is the LCM of 16 and 2? _____ | W What is the LCM of 2 and 5? _____ |
| N What is the LCM of 17 and 1? _____ | Y What is the LCM of 8 and 2? _____ |
| O What is the LCM of 13 and 1? _____ | |



Remember:

The least common multiple (LCM) of two or more numbers is the smallest multiple that occurs for each number being compared. For example, the least common multiple of the following numbers is:

4 and 5—LCM is 20

2, 3, and 4—LCM is 12