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Translating Expressions Worksheets

Translate the following word problems into expressions:

- 1) There are 20 gifts at a party and y gifts are opened there.
How many gifts remain unopened?
- 2) There are z sharks in the ocean, $\frac{1}{4}$ th are great white sharks.
How many are not great white sharks?
- 3) There are 20 red and blue marbles in a bag, s marbles are red. How many are blue?
- 4) Three-fifths of the men in physics class have beards and two-thirds of the women have long hair. If there are 120 men in the class and 46 are not in the above groups, how many men and how many women are there in the class?
- 5) A service station checks Mr. Trudeau's radiator and finds it contains only 30% antifreeze. If the radiator holds 10 quarts and is full, how much must be drained off and replaced with pure antifreeze in order to bring it up to a required 50% antifreeze?

- 6) Wolfgang and Heinrich worked as electricians at \$14 and \$12 per hour respectively. One month Wolfgang worked 10 hours more than Heinrich. If their total income for the month was \$3520, how many hours did each work during the month?
- 7) The sum of the square of two consecutive integers equals 365. Find the difference between them.
- 8) If the speed of a train is increased by 4 miles per hour from its original speed, then it takes 1 hour less to cover a distance of 288 miles. Find its original speed
- 9) Find the solution of the inequality:
- $$8z + 4 \geq 9$$
- 10) The height h of a person should not be less than 3.8 ft to ride the roller coaster. Express this situation using an inequality.

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in an interesting way,
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Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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