

Sports Math

Activity 1 - Suiting Up

Being a goaltender in the Mathematical Hockey League (MHL) is not only physically challenging, it's costly too! Below is a chart detailing the value of equipment the MHL's goaltenders must wear on the ice.

Equipment	Cost (\$)	Number of Games
Mask	200	20
Neck Protector	35	30
Upper Body Protection	150	25
Supporter and Cup	60	30
Suspenders	10	10
Pants	150	5
Knee Protection	70	30
Pads	220	15
Blocker	125	20
Catching Glove	175	25
Stick	30	1
Skates	175	10

Activity Questions:

1. Samantha plays for the Circles in the MHL. Before each game she suits up by putting on all of the goaltender equipment. How much money does it cost the Circles to outfit Samantha for a game? Use the information in the table above.
2. Some of Samantha's equipment wears out very fast. The table above also shows how long each piece of equipment will last. If the Circles play 30 games in a regular season, what is the total cost to the team for her equipment?
3. Chris is also a goalie for the Circles. If Sam plays $\frac{2}{3}$ of the games and Chris plays $\frac{1}{3}$ of the games this season what will the total cost be to the team to equip their two goalies?
4. The team has budgeted \$15,000 to provide equipment for their two goalies. Will this be enough?

Can you believe THIS is math?