

Hockey Save Percentages

Turn saves and shots into fractions, percents, and .XXX rates – the same math real goalies use. Made-up keepers only. Show your work!

Name _____

Date _____

SAVE % TOOLKIT

Saves

 shots stopped
by the goalie

Shots

 total shots on
goal faced

Save %

 $\text{saves} \div \text{shots}$
 $\times 100$

.XXX

 rate form
($0.920 = 92\%$)

$$\frac{27}{30} = 90\%$$



SAVES ÷ SHOTS ON GOAL

ROOKIE

- 1 Goalie **Mira Finch** made **27** saves on **30** shots. Write her save rate as a **simplified fraction**. Then write it as a whole-number **percent**.

WORK SPACE

_____ = _____ %

ROOKIE

- 2 Kai Moss stopped **22** of **25** shots. What is Kai's save percentage? Round to **1 decimal place**.

WORK SPACE

_____ %

STARTER

- 3 Priya Shah made **18** saves on **20** shots. Omar Diaz made **24** saves on **28** shots. Who has the **higher** save percentage?

WORK SPACE

STARTER

- 4 The **Polar Pucks** faced **36** shots and allowed **4** goals. How many saves did they make? What was their save percentage? Round to **1 decimal place**.

WORK SPACE

_____ saves · _____ %

PRO

- 5 Write the save rate **45/50** in hockey style as a **three-decimal** number (like **.920**).

WORK SPACE

. _____

PRO

- 6 Coach wants a save rate of at least **.920** on **40** shots. Write the .XXX rate for **36** saves and for **37** saves. Circle which one meets the goal.

WORK SPACE

36 → . _____ · 37 → . _____

ALL-STAR

- 7 Mira faced **30** shots and made **27** saves. How many goals were scored against her? Write the fraction of shots that became goals, then **simplify**.

WORK SPACE

GA _____ · _____

CHALLENGE ★

- 8 Yen Cho finished with **41** saves on **45** shots. What is Yen's save percentage, rounded to **1 decimal place**? Is that better than a **.900** rate? Write yes or no.

WORK SPACE

_____ % · _____

A Goalie Card

Save % = (saves ÷ shots) × 100. Round to 1 decimal. .XXX = saves ÷ shots to 3 decimals.

GOALIE	SAVES	SHOTS	SAVE %	.XXX
Mira Finch	28	32		
Kai Moss	35	40		
Tess Brody	22	25		
Jules Park	18	20		
Yen Cho	41	45		

Made-up Polar Pucks goalies. Goals against = shots – saves.

- For every goalie, fill in **Save %** (round to **1 decimal place**) and the **.XXX** rate (3 decimals).
- Who has the **best** save percentage?
- Which two goalies are **tied** for the lowest .XXX rate?
- List the five .XXX rates from **least to greatest**.

B Period Breakdown

Same goalie, two periods – then combine.

PERIOD	SAVES	SHOTS	SAVE %
1st	15	18	
2nd	20	22	
Game	35	40	

Combined rate uses total saves ÷ total shots – not the average of the two percents.

- What is the 1st-period save percentage? Round to **1 decimal place**.
- What is the 2nd-period save percentage? Round to **1 decimal place**.
- What is the combined game save rate as a **.XXX** number (3 decimals)?
- By how many **percentage points** did the 2nd period beat the 1st? Round to **1 decimal place**.

C Net Math

Fractions, goals against, and comparisons.

- Simplify the save fraction **27/30**.

WORK SPACE

Grid for simplifying the fraction 27/30.

- A goalie faces **40** shots. How many goals against still leave a save rate of exactly **.900**?

WORK SPACE

Grid for solving the problem about goals against.

GA

- Nova Blake** made **33** saves on **35** shots. What is Nova's save percentage? Round to **1 decimal place**.

WORK SPACE

Grid for calculating Nova Blake's save percentage.

%

- Write Nova's save rate as **.XXX** (3 decimals). Is that better than **.920**? Write yes or no.

WORK SPACE

Grid for comparing Nova's save rate to .920.

. . .

Answer Key (for teachers & parents)

Answers for **Hockey Save Percentages**, with the work shown where it helps. Print pages 1 and 2 for students, and keep this page for checking.

Page 1 Problems

1. $9/10 = 90\%$ ($\div 3$)
2. **88.0%** (22/25)
3. **Priya Shah** (90.0% > 85.7%)
4. **32 saves · 88.9%** (36 – 4)
5. **.900** (45/50)
6. **.900 · .925** (36 misses .920; 37 meets it)
7. **3 GA · 1/10** ($\div 3$)
8. **91.1% · yes** (.911 > .900)

Quick score

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A · Goalie Card	_____ / 4
B · Period Breakdown	_____ / 4
C · Net Math	_____ / 4
Total	_____ / 20

A · Goalie Card

1. **87.5%/.875; 87.5%/.875; 88.0%/.880; 90.0%/.900; 91.1%/.911**
2. **Yen Cho** (.911)
3. **Mira & Kai** (both .875)
4. **.875, .875, .880, .900, .911**

Skills practiced

Fractions Percents Decimals (.XXX)
 Comparing rates Multi-step problems Hockey save %

Teaching tip: Emphasize that game save % uses **total saves ÷ total shots**, not the mean of period percents. Have students convert .XXX → percent by moving the decimal two places.

B · Period Breakdown

1. **83.3%**
2. **90.9%**
3. **.875** (35/40)
4. **7.6 points** (90.9 – 83.3)

C · Net Math

1. **9/10** ($\div 3$)
2. **4 GA** (36 saves → .900)
3. **94.3%**
4. **.943 · Yes**