 Hey Kids!

I’m Phog Allen. We have a lot of games and brainteasers ahead to test your KU smarts. Remember to ask your friends and family for help if you get stumped. You can check your answers at the end, but don’t peek too early! Now, turn the page and get started. Rock Chalk!
**BRAINTEASERS**

Do you like to solve math puzzles and problems? Here are a few brainteasers based on some of the exhibits at the Booth Family Hall of Athletics and the DeBruce Center. Read each clue carefully to see which math operations you should use to solve it.

1. How many sizes are between All-Americans Raef LaFrenz and Tamecka Dixon’s shoe sizes?  
   **Clue:** Find their shoes on the floor of the Booth Family Hall of Athletics and subtract to solve the problem.

2. If KU softball goes 20-6, 24-4, 27-2 and 25-8 over four seasons, what is the average win-loss record for those four seasons?  
   **Clue:** Use addition and division to solve the problem.

3. If there are six players on the volleyball court wearing jersey numbers with the first six odd numbers starting with 1, what is the total of their jersey numbers?  
   **Clue:** Write the first six odd numbers and add.

4. If Hoch Auditorium held 3,800 people for a basketball game and Allen Fieldhouse holds 16,300 people for a basketball game, over 8 home games, how many more people get to watch a game in person in Allen Fieldhouse?  
   **Clue:** Use subtraction and multiplication to solve.

5. Joe Hawk can run from home plate to first base in 4.3 seconds. How many seconds is he running if he hits an in-the-park home run?  
   **Clue:** Multiply to solve the problem. Don’t forget the decimal!

6. If 1 gram of grass seed is needed to plant 1 square foot of field, how much grass seed (in kilograms) would be needed to plant the soccer field at Rock Chalk Park, which is 360 feet long and 225 feet wide?  
   **Clue:** Multiply and divide to solve the problem. Remember, 1,000 grams = 1 kilogram!
Kansas basketball has been very fortunate in its head coaching history. The program has had just seven head coaches since 1899, but those seven have had enormous influence on the game and have trained a large and ever-expanding network of highly successful coaches across the country, including these Naismith Hall of Famers! Fill in the blocks below by using the following clues and letter blank. Each letter in the letter bank matches an empty box.

1. _______ Naismith, KU’s first basketball coach, invented the game in Massachusetts in 1891.

2. _______ Miller was a two-sport varsity athlete at KU before beginning his Hall of Fame coaching career at Wichita State and Oregon State.

3. After playing under number eight at North Carolina, _______ Brown became the only basketball coach to win a national title in both the NCAA (1988, Kansas) and the NBA (2004, Detroit Pistons).

4. Kansas basketball’s second coach got the nickname Forrest “_______” Allen because he sounded like a foghorn when umpiring baseball games as a young man.

5. After playing for and learning from Allen,_______ Rupp won 876 games & four NCAA Championships with the Kentucky Wildcats.

6. A second-generation member of the coaching tree, this one-time Kansas and current UNC head coach learned the trade from the coach in number eight below: Roy _______.

7. KU’s world-famous chant is called the “_______ _________” chant.

8. Dean _______ took his Tarheel teams to 23 consecutive NCAA Tournaments and 11 Final Fours in his 36 seasons as the North Carolina head coach.
CROSSWORD

Ready for a real challenge? Try to solve this crossword puzzle. If you get stuck, ask an adult or a friend for help. Good luck!

DOWN CLUES
1. James Naismith, the inventor of basketball, grew up in this small town in Ontario, Canada.
2. The national governing body for collegiate athletics.
3. Phog Allen got the nickname “Doc” after earning his Doctor of __________ degree in 1912.
4. The activity that KU fans gather on Campanile Hill before football games to do.
5. Gale Sayers’ nickname (two words) while playing football at Kansas in the 1960s.
6. __________ prohibited “discrimination on the basis of sex under any education program or activity” in 1972, elevating women’s athletics across the U.S.
7. Beginning his career as a KU freshman, radio voice Max __________ enjoyed a 60-year career calling Jayhawk football and basketball games before retiring in 2006.
8. James Naismith helped spread basketball in Europe when he was stationed in this country during WWI.
9. This group, found at sports games, is responsible for playing music to pump up the crowd!
10. Despite losing 11 games in the regular season, the 1988 men’s basketball team (also known as “Danny and the __________”), went on to win the NCAA Championship, 83-79, over Oklahoma.
11. Kansas students began the tradition of __________ out to get the best seats at men’s basketball games in the mid-1980s.
12. According to the Original Rules of Basketball, a player cannot do this with the ball.
13. Billy __________ won the 10,000-meter run gold medal at 1964 Olympic Games and remains the only American ever to do so.
14. Women’s basketball head coach Marian __________ led the Jayhawks for 31 seasons, compiling a 560-363 record.
15. In 2008, Kansas football won the __________ Bowl against Virginia Tech.
16. In 1952, __________ Jayhawks (including Phog Allen), went to Helsinki, Finland, as part of the U.S Olympic Basketball team.

ACROSS CLUES
3. Phog Allen got the nickname “Doc” after earning his Doctor of __________ degree in 1912.
7. Beginning his career as a KU freshman, radio voice Max __________ enjoyed a 60-year career calling Jayhawk football and basketball games before retiring in 2006.
8. James Naismith helped spread basketball in Europe when he was stationed in this country during WWI.
11. Kansas students began the tradition of __________ out to get the best seats at men’s basketball games in the mid-1980s.
14. Women’s basketball head coach Marian __________ led the Jayhawks for 31 seasons, compiling a 560-363 record.
16. In 1952, __________ Jayhawks (including Phog Allen), went to Helsinki, Finland, as part of the U.S Olympic Basketball team.
The Johnson family – Mom, Dad, Aaron and Susie – want to plan a family road trip vacation to see their favorite team play a road game. Each family member wants to visit a different state on their trip. Use the clues below to find out which person chose each state.

1. Mom has visited Kansas and Oklahoma and wants to travel to a new state.
2. Dad wants to see the Alamo and travel to The Big D.
3. Aaron likes cowboy history and wants to visit a state with a “panhandle.”
4. Susie is tired of riding in the car and wants to stay close to Lawrence.

Use the chart below to help you narrow your choices until you find the correct state for each family member. Read one clue at a time to eliminate choices that don’t work for each person. Make an “X” in each box that can’t be a right choice, based on the clue. Make a ⭐ in the box you know is the right choice for each family member. Each row and column should have three “X”s and one ⭐. Good Luck!

<table>
<thead>
<tr>
<th></th>
<th>Kansas</th>
<th>Texas</th>
<th>Iowa</th>
<th>Oklahoma</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mom</td>
<td></td>
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</tr>
<tr>
<td>Dad</td>
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<td></td>
</tr>
<tr>
<td>Aaron</td>
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<tr>
<td>Susie</td>
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</tbody>
</table>
Below is a map of the Big 12 Conference. Member institutions hail from Iowa, Kansas, Oklahoma, Texas and West Virginia. The icons are school logos. Using the city bank given, can you correctly label the map?

Manhattan
Norman
Stillwater
Austin
Waco
Fort Worth
Lubbock
Ames
Morgantown
DETECTIVE TRIVIA

Use the answer bank below to answer the following questions. Good luck!

1. How tall was Greg Ostertag, the tallest person to play basketball for KU?

2. In what year did Kansas football go to a bowl game, men’s basketball go to a Final Four, and baseball go to the College World Series?

3. What 445-page coaching manual did Phog Allen write about basketball?

4. Who is the only wrestler inducted in the Kansas Athletics Hall of Fame?

5. What was the Lawrence street address of the original Booth family?

6. What role did James Naismith play in the Kansas National Guard?

7. What year did the first class at KU take place?

8. Which former KU student-athlete is the only person in NBA history to score 100 points in a single game?

9. What nickname was first given to free-staters in the area during the Bleeding Kansas period of the U.S. Civil War, but was later adopted by the University?

10. In what year was the first NCAA men’s basketball tournament?

ANSWER BANK

Wilt Chamberlain
1866
1931 Naismith Drive
1992-1993
Jayhawks
7'2"
Pete Mehringer
1939
Chaplain
My Basket-Ball Bible
WORD SCRAMBLE

Every year, over 500 student-athletes compete for KU. Use your detective abilities to figure out the scrambled words in the sentences below. Each word is a varsity sport offered at KU.

THE WAYS WE PLAY

1. In (cakr & ef(dil) _____________________, individual men and women compete in 21 different events to earn both individual and team championships.

2. For harsh fouls, (cscroe) ______________ players receive either a yellow or red card.

3. (asiBleab) _____________________ was the first varsity sport that KU competed in, beginning in 1880.

4. A team victory in a Kansas women’s (sniten) _________ match requires winning at least four of seven available points from singles and doubles matches.

5. Played by both men and women at KU, (tsalkebbia) ____________________ is played on a court that is 94 feet long by 50 feet wide.

6. (lelVayblol) _____________________ was invented in Holyoke, Massachusetts, in 1895, just four years after and 10 miles away from basketball’s origin.

7. Men and women play (fgol) _________ on a course consisting of 18 holes, with the goal to have the fewest strokes at the end of the round.

8. The women who compete for Kansas (miswingm & ginvdi) _______________________ meet their opponents at Robinson Natatorium, located east of Allen Fieldhouse, just across Naismith Drive.

9. Memorial Stadium, home of the Kansas (olttofabl) _____________ team, was constructed in 1920 and dedicated as a memorial to KU students who died during World War I.

10. One of KU’s youngest varsity sports, the (woignr) _____________ team competes in boats called “racing shells” that hold four or eight individuals facing backwards and a coxswain who is in charge of steering the boat down the course.

11. In (scors nurtcyo) ______________, women race for 6km (3.7 miles) & men race for 10km (6.2 miles).

12. (bfloaStl) ______________ is very similar to baseball, except it is played with a larger ball, a smaller field and for only seven innings instead of nine.
WORD BLANKS

Below are some words that have to do with the University of Kansas, however the words are missing some vowels. Use the letters A, E, I, O and U to fill in the blanks below.

1. C__LL__G__
2. D__GR__ __
3. W__TS__N   L__BR__RY
4. GR__D__ __T__  __N
5. SCH__L__RSH__P   H__LLS
6. M__ __NT   __R__  __D
7. SP__NC__R   M__S__ __M   OF   __RT
8. P__TT__R   L__K__
9. FR__S__R   H__LL
10. __THL__T__CS
11. C__MP__N__L__

**BONUS!**

No matter where you come from, when you leave KU, you’re forever one of these:

J___YH___WK
BONUS!
No matter where you come from,
when you leave KU,
you’re forever one of these:

J__YH__WK

WORD SEARCH
Find the following words in the word search below. Words can be found up, down, sideways and diagonally.

WORD BANK
CRIMSON
WAVE THE WHEAT
ALLEN FIELDHOUSE
NCAA
LAWRENCE
JAYHAWK
BASKETBALL
ORIGINAL RULES
NAISMITH
BLUE
MOUNT OREAD
KANSAS
Dear _________________,

I wanted to write you and tell you about my visit to the University of Kansas campus! My class is learning about _______________, so we decided to go on this _____________ field trip. When we arrived, there were all kinds of _______________ artifacts on the exhibit to see! I found out that James Naismith invented______________ in 1891. At the DeBruce Center, we saw the papers that he wrote the Original Rules on! KU has a mascot called a ________________, which is a mixture of ______________ and a ________________. There are ___________ teams that play for KU and over 450 student-athletes! The men’s and women’s basketball teams play in ____________________ Fieldhouse, which was built all the way back in 1955, before anyone invented air conditioning. We ________________ a lot of interesting facts, like Phog Allen got his nickname because he sounded like a ______________ when he was a baseball umpire. Well, got to go!

Write back soon!

Your ______________________,

_________________________________ 

(friend’s name) 
	noun

(adjective)
	noun

noun

noun

noun

(verb)

number

(famous person’s name)

noun

(friend’s name)

noun

(friend’s name)
CERTIFICATE OF COMPLETION

CONGRATULATIONS!

(Name)

You have now earned a place among the biggest Jayhawk fans in the world.

(Date)

Big Jay

UNIVERSITY OF KANSAS MASCOT
ANSWER KEY

BRAINTEASERS
1. 17 - 7.5 = 9.5
2. (20 + 24 + 27 + 25) / 4 = 24 (6 + 4 + 2 + 8) / 4 = 5 24 - 5 over four seasons
3. 1 + 3 + 5 + 7 + 9 + 11 = 36
4. 16,300 - 3,800 = 12,500 12,500 x 8 = 100,000 people
5. 4.3 x 4 base paths = 17.2 seconds
6. 360 x 225 = 81,000 square feet = 81,000 grams
   (divide by 1,000 grams per kilogram) = 81 kilograms of grass

BUILDING BLOCKS
1. James
2. Ralph
3. Larry
4. Phog
5. Adolph
6. Williams
7. Rock Chalk
8. Smith

CROSSWORD

LOGIC PUZZLE


crossword

1. A
2. N
3. M
4. C
5. K
6. A
7. I
8. G
9. E
10. T
11. M
12. R
13. M
14. S
15. E
16. T

CAMPING

WASHINGTON

Kansas | Texas | Iowa | Oklahoma
--- | --- | --- | ---
Mom | x | x | ⭐ | x
Dad | x | ⭐ | x | x
Aaron | x | x | x | ⭐
Susie | ⭐ | x | x | x

DETECTIVE TRIVIA
1. 7’2”
2. 1992-1993
3. My Basket-Ball Bible
4. Pete Mehringer
5. 1931 Naismith Drive
6. Chaplain
7. 1866
8. Wilt Chamberlain
9. Jayhawkers
10. 1939
ANSWER KEY

WORD SCAMBLE
1. Track & Field
2. Soccer
3. Baseball
4. Tennis
5. Basketball
6. Volleyball
7. Golf
8. Swimming & Diving
9. Football
10. Rowing
11. Cross Country
12. Softball

WORD BLANKS
1. COLLEGE
2. DEGREE
3. WATSON LIBRARY
4. GRADUATION
5. SCHOLARSHIP HALLS
6. MOUNT OREAD
7. SPENCER MUSEUM OF ART
8. POTTER LAKE
9. FRASER HALL
10. ATHLETICS
11. CAMPANILE
BONUS: JAYHAWK

WORD SEARCH
The Booth Family Hall of Athletics is a 19,335 square-foot museum adjacent to the east side of Allen Fieldhouse. This facility opened in January 2006 and was expanded in 2009. It is open year-round, allowing Jayhawk fans to experience the history and traditions of intercollegiate athletics at the University of Kansas. The Hall of Athletics aims to educate visitors and inspire them to enrich the future of the Jayhawk legacy.

For more about Kansas Athletics, visit KUAthletics.com. Rock Chalk, Jayhawk!