

# Basketball Scores

Developed by Steve Cooke.

Last updated 1st March 2009

The webaddress for this activity is:

<http://www.collaborativelearning.org/basketballscores.pdf>

## COLLABORATIVE LEARNING PROJECT

Project Director: Stuart Scott

We support a network of teaching professionals throughout the European Union to promote inclusive education. We develop and disseminate accessible talk-for-learning activities in all subject areas and for all ages.

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## BRIEF SUMMARY OF BASIC PRINCIPLES BEHIND OUR TEACHING ACTIVITIES:

The project is a teacher network, and a non-profit making educational trust. Our main aim is to develop and disseminate classroom tested examples of effective group strategies that promote talk across all phases and subjects. We hope they will inspire you to develop and use similar strategies in other topics and curriculum areas. We want to encourage you to change them and adapt them to your classroom and students. We run teacher workshops, swapshops and conferences throughout the European Union. The project posts online many activities in all subject areas. An online newsletter is also updated regularly.

\*These activities are influenced by current thinking about the role of language in learning. They are designed to help children learn through talk and active learning in small groups. They work best in non selective classes where children in need of language or learning support are integrated. They are well suited for the development of speaking and listening . They provide teachers opportunities for assessment of speaking and listening.

\*They support differentiation by placing a high value on what children can offer to each other on a particular topic, and also give children the chance to respect each other's views and formulate shared opinions which they can disseminate to peers. By helping them to take ideas and abstract concepts, discuss, paraphrase and move them about physically, they help to develop thinking skills.

\*They give children the opportunity to participate in their own words and language in their own time without pressure. Many activities can be tried out in pupils' first languages and afterwards in English. A growing number of activities are available in more than one language, not translated, but mixed, so that you may need more than one language to complete the activity.

\*They encourage study skills in context, and should therefore be used with a range of appropriate information books which are preferably within reach in the classroom.

\*They are generally adaptable over a wide age range because children can bring their own knowledge to an activity and refer to books at an appropriate level. The activities work like catalysts.

\*All project activities were planned and developed by teachers working together, and the main reason they are disseminated is to encourage teachers to work more effectively with each other inside and outside the classroom. They have made it possible for mainstream and language and learning support teachers to share an equal role in curriculum delivery. They should be adapted to local conditions. In order to help us keep pace with curriculum changes, please send any new or revised activities back to the project, so that we can add them to our lists of materials.

# Basketball Scores

A

There are five minutes to go in all these basketball matches. Using the clues, can you work out what the score is in each match.

Wyvern Rockets	vs.	Belgrave Bullets
Abbey Arrows	vs.	Catherine Cosmos
Mellor Magic	vs.	Herrick Hornets
Taylor Tornado	vs.	Rushey Raiders
Soar Storm	vs.	Northfield Nemesis
Ellis Eagles	vs.	Gipsy Giants

Catherine Cosmos are losing by 14 points.

Gipsy Giants have scored 33 points more than Rushey Raiders, but they are still losing.

Soar Storm are drawing.

Ellis Eagles are winning by 6 points.

Northfield Nemesis have scored 2 fewer points than Catherine Cosmos.

Rushey Raiders have scored 56 points.

# Basketball Scores

# B

There are five minutes to go in all these basketball matches. Using the clues, can you work out what the score is in each match.

Wyvern Rockets	vs.	Belgrave Bullets
Abbey Arrows	vs.	Catherine Cosmos
Mellor Magic	vs.	Herrick Hornets
Taylor Tornado	vs.	Rushey Raiders
Soar Storm	vs.	Northfield Nemesis
Ellis Eagles	vs.	Gipsy Giants

Belgrave Bullets are 99 points behind in their match.

Abbey Arrows have scored 2 fewer points than Ellis Eagles.

Taylor Tornado are losing by 22 points.

Wyvern Rockets have scored 23 more points than the team with the second highest score.

Mellor Magic have scored 30 more points than Taylor Tornado but they are still losing by 33 points

# Basketball Scores

## Equations

Value  $a$  is the number of points that Abbey Arrows have scored.

Value  $b$  is the number of points that Belgrave Bullets have scored.

Value  $c$  is the number of points that Catharine Cosmos have scored.

Value  $e$  is the number of points that Ellis Eagles have scored.

Value  $g$  is the number of points that Gipsy Giants have scored.

Value  $h$  is the number of points that Herrick Hornets have scored.

Value  $m$  is the number of points that Mellor Magic have scored.

Value  $n$  is the number of points that Northfield Nemesis have scored.

Value  $r$  is the number of points that Rushey Raiders have scored.

Value  $s$  is the number of points that Soar Storm have scored.

Value  $t$  is the number of points that Taylor Tornado have scored.

Value  $w$  is the number of points that Wyvern Rockets have scored.

# Basketball Scores

According to the clues which of these equations are true and which are false. If any of them are false, correct them to make them true.

1)  $b = w - 99$

2)  $s = n - 6$

3)  $m = h + 33$

4)  $e = g + 10$

5)  $c = a - 14$

6)  $n = c + 2$

7)  $t = r - 22$

8)  $r = 56$

9)  $a = e - 12$

10)  $w = h + 23$

11)  $g = r - 33$

12)  $m = t - 30$