CHANCE TO SHINE
SCHOOLS

ALL STARS cricket

YOUTH SPORT TRUST

Session 2: Maths

Lower Key Stage 2 (Years 3 & 4)

Learn Programme

Overview:
Missing number problems

National Curriculum:
Pupils should be taught to

- Solve problems including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which 'n' objects are connected to 'm' objects

Planet Power

A Starter

High Five

Game for counting on in 2s, 5s, or any number in 12X table (need to move around!).

Go round High 5ing people, right hand, then left.
High 5 high, then High 5 low.

Every time you meet someone, say a X table.

> **Cricket link** This is what the bowlers do when they get a wicket! (High five).

B Main Activity

All-Star Planet Problems

The hall/playground or classroom is the 'solar system' and the children visit the planets around the outside.

At each planet children are given a missing number problem.

Calculate the answer and move onto the next planet.

R **Resource** Planet Power Number Problem Cards

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C **Star Challenge**

Cricket Ground Guru!

Make your own game
Can you change the planets for famous cricket grounds?

How many can you name?

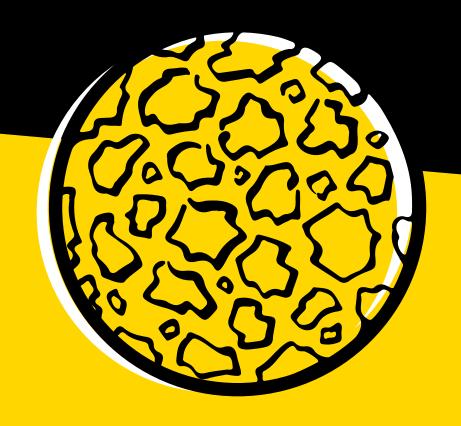See the list in additional resources if you can't think of many!

Work in pairs to make up a 'problem' for each cricket ground then spread them around and see how many you can work out.

R **Resource** Cricket Grounds
   Resource Cricket Word Problems

Mercury

? x 2 = 16

Venus

5 x ? = 40

Earth

6 x ? = 36

Mars

? + ? = 30

Jupiter

50 ÷ ? = 5

Saturn

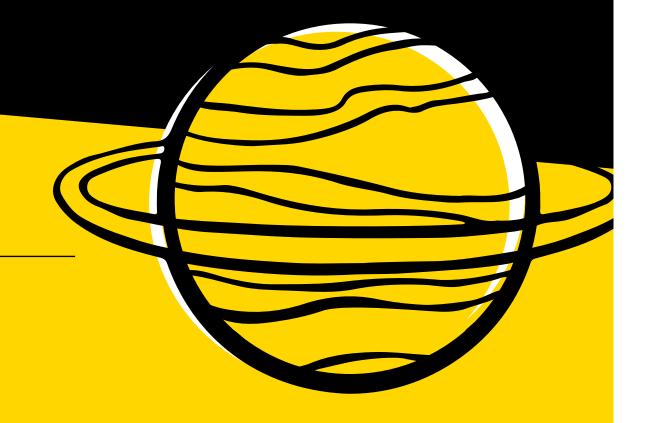$$16 \div ? = 4$$

Uranus

$$? \div 3 = 3$$

Neptune

? ÷ ? = 2

Planet Power

C Star Challenge

Worksheet: Cricket Word Problems

Answer the Cricket Word Problems below by choosing the correct number operation
and the best method of working to come to an answer.

1 In an over of cricket there are 6 balls.

How many balls are in 8 overs?

2 A batsman scored twelve 4s and seven 6s.

How many does he score?

3 Eight teams of 8 children enter a school cricket tournament and all children receive a certificate.

How many certificates need to be written?

4 A wicketkeeper took three catches in every game of the season. He played nineteen games

How many catches did he take?

5 A bowler takes 9 steps for his run up to bowl.

If he bowls 5 overs how many steps has he taken?

6 There are 90 children in the year group and teams are going to be made up of 6 pupils.

How many teams will there be?

7 Cricket balls come in boxes of 6. A cricket club buys 12 boxes, but two balls are missing.

How many balls are there?

8 Bowlers are allowed to bowl a maximum of 9 overs in an innings of 50 overs.

How many bowlers are needed to complete the innings?

9 In the cricket league, teams were given three points for a win, two points for a tie and one point for a loss.

Can you work out how many different ways a team could have scored 50 points and could have played any number of games?

10 Make up your own multiplication & division word problems for your friends to answer when they have finished.

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Worksheet: Cricket Grounds

Here's a list of famous cricket grounds.

1 County Ground

2 Old Trafford

3 Lord's

4 Trent Bridge

5 Sophia Gardens

6 Grace Road

7 Headingley

8 The Oval

9 Edgbaston

10 Rose Bowl