

Session 5: Maths

Upper Key Stage 2
(Years 5 & 6)

Learn Programme

National Curriculum:

MATHS

Solving word problems with
 $+$, $-$, \times and \div

Solve problems which require
knowing percentage and
decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$,
 $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and fractions with
a denominator of a multiple of
10 or 25

Number Hunt

A Activity 1: Active Learning

Visit the Grounds

Number problems focussing on money using all number operations.
See additional resources for problem cards.

Spread the cards out around classroom or school. Pupils have to visit
each one in turn and solve the problem.

- R Resource** Grounds Problem Cards,
- Resource** Answer Sheet: Grounds
- Resource** Answers: Grounds

B Activity 2: Active Learning

Visit ICC Countries

Number problems focus on percentages. See additional resources
for problem cards.

Spread the cards out around classroom or school. Pupils have to
visit each one in turn and solve the problem.

- R Resource** Countries Problem Cards,
- Resource** Answer Sheet: Countries
- Resource** Answers: Countries

C Extension

Cross-curricular Link

Bonus points if pupils can name:

- 1 The town/city where each ground is located.
- 2 Point out the country on a World map and identify its capital city.

Australia

Australia scored 200 runs. 20% were scored through boundaries.

How many runs were scored through boundaries?

.....



Visit **South Africa** for your next challenge

South Africa

60% of the runs for South Africa were scored in twos. AB De Villiers scored 80 runs.

How many of his runs were scored in twos?

.....



Visit **New Zealand** for your next challenge

New Zealand

New Zealand scored a total of 400 runs. Suzie Bates scored 100.

What percentage of the runs did she score?

.....



Visit **India** for your next challenge

India

India scored 18 points in the qualifying league but were deducted 33% of their total due to illegal play.

How many points did they end up with?

.....



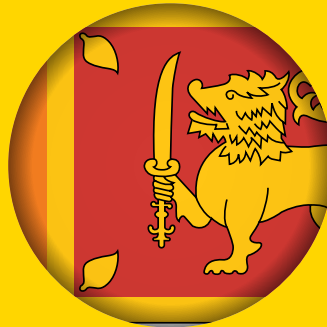
Visit **Sri Lanka** for your next challenge

Sri Lanka

Inoka Ranaweera scored 20% of Sri Lanka's total and she scored 55 runs.

What was the team total?

.....



Visit **England & Wales**
for your next challenge

England & Wales

England took 30 catches in the last nine matches. Jos Buttler took 60% of these.

How many did he take?

.....



Visit **Pakistan**
for your next challenge

Pakistan

Pakistan scored 135 runs. Mickey Arthur, the Pakistan coach demanded a 100% improvement.

What should the score be in their next game?

.....



Visit **Scotland**
for your next challenge

Scotland

There are 16 teams consisting of 11 players each in the cricket world cup.

If 25% of the players went on strike, how many were left to play?

.....



Visit **West Indies**
for your next challenge

West Indies

The crowd for one of the semi finals of the ICC tournament was 16,500.

If they expected a 50% increase for the final, what is the expected attendance?

.....



Visit Ireland
for your next challenge

Ireland

Ireland scored 1250 runs altogether in the last world cup. Their target was 2000.

What percentage increase would they need to achieve to reach the target?

.....



Visit Australia
for your next challenge

A player sold her cricket bat for £25.
She is saving to buy a new bat which
costs £180.

**How much more money does she
need to raise?**

.....

Visit **The Grace Road**
for your next challenge

**The
County
Ground**

A player buys three cricket balls
for £9.50 each.

How much does he spend?

.....

Visit **Old Trafford**
for your next challenge

**Grace
Road**

Three friends are buying a pair of
cricket pads to share. They cost £51.00.

How much must each of them pay?

.....

Visit **Headingley**
for your next challenge

**Old
Trafford**

A cheap pair of cricket gloves costs
£4.99. An expensive pair costs £29.99.

What is the price difference?

.....

Visit **Lord's**
for your next challenge

Headingley

A kit bag costs £20.00. Freddie saves
£2.50 each week.

**How many weeks does it take
him to afford the kit bag?**

.....

Lord's

Visit **The Oval**
for your next challenge

Cricket clubs pay £5.00 tea money
per game for each player throughout
the season.

**If a club plays 18 games a season,
how much tea money does each
player pay?**

.....

The Oval

Visit **Trent Bridge**
for your next challenge

Membership costs £60.00 per
adult to join the local cricket club.
Students get 30% reduction.

How much do they pay?

.....

Trent
Bridge

Visit **Edgbaston**
for your next challenge

Tickets cost £10 to watch the final
of the 2020 cricket final.
There are 15,000 tickets sold.

**How much money has been made
from the spectators?**

.....

Edgbaston

Visit **Sophia Gardens**
for your next challenge

A professional player is paid £4
for every 10 runs he scores.

If he scored 500 throughout four
consecutive games, how much
did he earn that month?

.....

Sophia
Gardens

Visit **The Rose Bowl**
for your next challenge



A cricket club pays three of its players
£20 per game, four players £25 per
game and four players £30 per game.

How much does this cost the club
each week?

.....

The
Rose Bowl

Visit **The County Ground**
for your next challenge



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Number Hunt

B Activity 2: Active Learning

Answer Sheet: Visit ICC Countries



Australia



South Africa



New Zealand



India



Sri Lanka



England & Wales



Pakistan



Scotland



West Indies



Ireland

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A Activity 1: Active Learning

Answer Sheet: Visit the Grounds

1

Sophia Gardens

2

Grace Road

3

Old Trafford

4

Headingley

5

Lord's

6

The Oval

7

Trent Bridge

8

Edgbaston

9

The County Ground

10

Rose Bowl

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B Activity 2: Active Learning

Answers: Visit ICC Countries

Below are the answers to the set of mental maths questions.

1. 40 runs
2. 48 runs
3. 25%
4. 12 points
5. 275 runs
6. 18 catches
7. 270 runs
8. 132 players
9. 24,750
10. 60%

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A Activity 1: Active Learning

Answers: Visit the Grounds

Below are the answers to the set of mental maths questions focusing on measurement.

1. £155
2. £28.50
3. £17.00 each
4. £25.00
5. 8 weeks
6. £90.00
7. £42.00
8. £150,000
9. £200.00
10. £280.00