

## Upper Primary School Worksheet

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Welcome to the Bell Tower!

Look around or ask a guide to answer the following questions.

### Ground Floor

The **Royal Ascot Clock** was made in 1896 for the famous racecourse in England. What keeps the clock ticking? Electricity, batteries, or **gravity**? (circle one)

Instead of the large change ringing bells you will see upstairs, old churches might have **tubular bells** like the ones on this level. What are some of the advantages of tubular bells?

cheaper, lighter, easier to play (only need one person), deeper tones

### Level 1

The bell in front of the lift is the **oldest bell in Australia** and is originally from Hampshire, England.

When was this bell made? 1550



### All levels



There are many different kinds of bells from **all over the world** in this building. Name 2 different types of bells and where they come from.



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### **ANY TWO OF THE BELOW**

Types of Bells and Their Origins - Bell Tower, Perth, Western Australia

#### Ground Level

- Tubular bells, from Prestatyn, North Wales and Hardwick, Northamptonshire, England.

#### Level 1

- Oldest bell in Australia, from Upton Grey in Hampshire, England.

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### Level 2

- Kul kul, from Bali.
- Camel bell, from Kenya.
- Cup Bells by James Brigeman, from Albourne, England.
- Crotal bells by Edmin Seller, from York, England.
- Turret clock and bells, from St. Ethalburga's church, London, England.
- Other turret clock and bells, from the South of England.
- Grandfather clock by John Dent (maker of Big Ben), from London, England.
- Buddhist bells from Burma.
- Buddhist hand bells (with no clapper) from Java, Indonesia.
- Gansadans/Whirling gongs, from Burma.
- Elephant bells, from India/SE Asia.
- Hindu bells (aka Ghanta, or Puja), from India.
- Singing bowls, from Tibet/Nepal/India/Bhutan/China/Japan/Korea.
- Crotal bell/Tree of Shinto Music bells, from Japan.

### Level 3

### Level 4

- Change ringing bells (12) from St. Martin-in-the-Fields church, Trafalgar Square, London, England.
- Change ringing bells (6) from Whitechapel Bell foundry England
- Polyphon music box bells, from England

### Level 5

- Royal Ascot Racecourse/Mark Creasy Turret Clock bells, cast in Whitechapel, London, England.

### Level 6

- Carillon bells, from Canberra (national carillon), cast in Loughborough.

### Level 4

Here you can see the **oldest complete set of change ringing bells** in the world! Where are these 12 bells from?

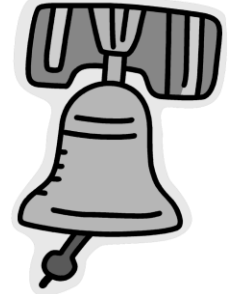
St. Martin-in-the-Fields, a church in London

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How many change ringing bells are there altogether? 18

These bells are able to be set upright (open end facing the ceiling) using **two pieces of wood**. What are these pieces of wood called? the slider and stay



These bells don't ring tunes; they are hung for an ancient musical art called '**change ringing**'. What do we call a set of 'changes' which is a bell ringer's version of a tune?

a method

How much does the lightest bell weigh? 238 kg

How much does the heaviest bell weigh? 1481 kg

Who is the heaviest bell named after?

Zachariah, the vicar at the time of casting in 1725

### Level 5

Look through the window to see the bells which are connected to the **Royal Ascot Clock** you saw on the ground floor.



What tune do these bells ring on the quarter hour?

Westminster chime

*Extra difficult question: What other famous clock in London rings this tune?*

Big Ben

### Level 6

What kind of bells are on this level? carillon bells

Can these bells ring tunes and songs? yes