

# Changing Contexts

Jo Morgan  
@mathsjem  
[resourceaholic.com](http://resourceaholic.com)

On Saturday, some adults and some children were in a theatre.  
The ratio of the number of adults to the number of children was 5 : 2

Each person had a seat in the Circle or had a seat in the Stalls.

$\frac{3}{4}$  of the children had seats in the Stalls.

117 children had seats in the Circle.

There are exactly 2600 seats in the theatre.

On this Saturday, were there people on more than 60% of the seats?  
You must show how you get your answer.



**Ella Jacobs**

@\_ellajacobs

Follow



smk  
the

7:12 pm



**Maddison** ✨|2007Belieber 🍷

@BelieberMaddiex

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#ede  
THEA  
sell ti  
🤔 🤔



**Mae**

@maescullyxo

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#edexcel  
were full  
but i kno

4:11 pm - 8 Jun 20



**PINNED (sarah)**

@queerknj\_

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#edexcelmaths

exam: was more than 60% of the theatre full?  
me:



12:59 pm - 8 Jun 2017

On Saturday, some adults and some children were in a theatre.  
The ratio of the number of adults to the number of children was 5 : 2

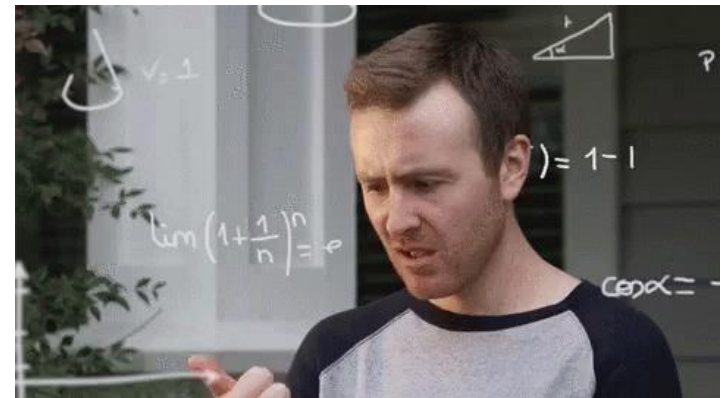
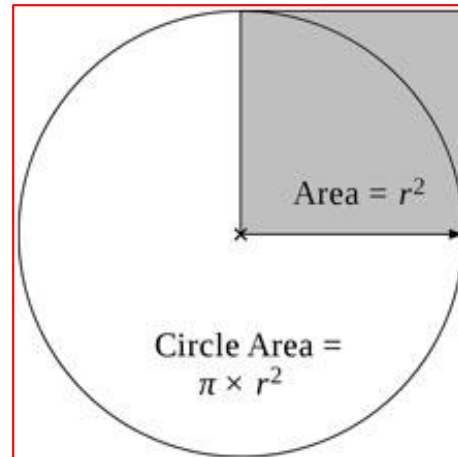
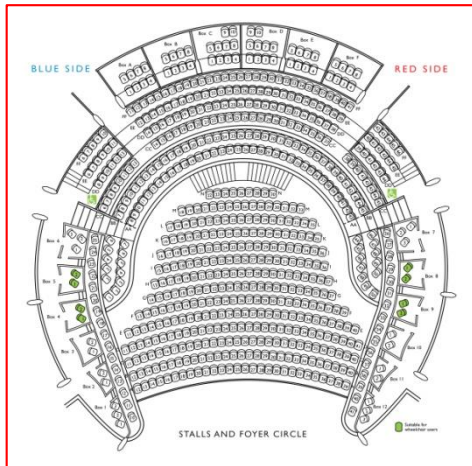
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CALCULUS MADE EASY

THE ESSENTIALS OF SCHOOL ALGEBRA PARTS II-

MATHEMATICS  
FOR ALL  
★  
R. WESLEY

KG-350-167

COMPLETE  
MERCANTILE  
ARITHMETIC  
GREEN

PITMAN

HIGHER  
ALGEBRA  
HEALY  
AND  
KNIGHT

ALGEBRA  
FOR  
SCHOOLS  
DURELL

Parts  
I-II

BELL

ELEMENTARY DIFFERENTIAL GEOMETRY OF PLANE CURVES

The  
ESSENTIALS  
of  
SCHOOL  
GEOMETRY  
WITHOUT  
ANSWERS  
A.B. MAYNE



Mathematics

KM-705-265

ALGEBRA FOR BEGINNERS HA

CLAR... Primary Level HEINEMANN

EXERCISES  
IN  
ALGEBRA  
INCLUDING  
TRIGONOMETRY  
PART I.

5. If in a theatre  $\frac{3}{8}$  of the seats are in the pit,  $\frac{3}{10}$  in the lower gallery,  $\frac{1}{5}$  in the upper, and there are 50 reserved seats, how many are there altogether?

6. 110 bushels of coals are divided among a certain number of poor persons; if each one had received one bushel more, then he would have received as many bushels as there were persons. How many persons were there?

*Quest. 22.* The Circumference of the Earth (as all other Circles are) is divided into 360 Degrees, and each Degree into 60 Minutes, which (upon the Superficies of the Earth) are equal to 60 Miles; now I demand how many Miles, Furlongs, Perches, Yards, Feet, and Barly-corns, will reach round the Globe of the Earth?

360 Degrees  
60 Minutes or Miles in a Degree

---

21600 Miles about the Earth  
8 Furlongs in a Mile

---

172800 Furlongs about the Earth  
40 Perches in a Furlong

---

6912000 Poles or Perches about the Earth  
11 Half-yards in a Perch

---

6912000  
6912000

---

2) 76032000 Half-Yards upon the Earth

---

(38016000 Yards, viz. the Half-yards  
3 Divided by 2

---

114048000 Feet about the Earth  
12 Inches in a Foot

---

228029000  
314048000

---

1351576000 Inches about the Earth

---

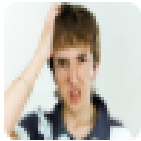
3 Barly-corns in an Inch

---

4105723000 Barly-corns.

The **barleycorn** is a small English unit of length equal to  $\frac{1}{3}$  of an inch (i.e close to 0.8467 cm) still used as the basis of shoe sizes in English-speaking countries. It is referenced as far back as the 10<sup>th</sup> Century.





**Logan Morgan**

@GCSEstudent



Follow

Seriously Edexcel?! Who cares if you can fit 4 billion barley corns around the circumference of the earth? FML.

[#edexcelmaths](#)



2:48 PM - 17 May 2019