

Learn. Play. Create

**1 Questions 1 & 2**

Wed 20 Nov **BARVEMBER**

**1** Amy has 7 pencils.  
She buys 9 more pencils.  
Josh has 12 pencils.  
How many more pencils does Amy have than Josh?

**2** 60 litres of water is shared between 2 buckets.  
Bucket A contains 38 litres.  
How many more litres are in bucket A than bucket B?

**2 Answer for Question 1 & 2**

A1 Amy: 7, 9  
Josh: 12  
More Pencils with Amy:  $7 + 9 - 12 = 4$   
4 more pencils

A2 A: 38  
B:  $60 - 38 = 22$   
More in A =  $2 \times 38 - 60 = 16$   
16 litres more in A

**5 (Challenge) Question 5**

Wed 20 Nov **BARVEMBER** The Daily Challenge

**5** A breakfast cereal is sold in 3 sized boxes, micro, standard and large.  
• A store has 444 boxes of cereal in total.  
• The ratio of the number of micro boxes to standard boxes is 3 : 1  
• In one day the store sells 60% of the micro boxes, 26% of the large boxes and none of the standard boxes.  
• There are now 285 boxes left in total.  
How many of each size box was there at the start?

**6 Answer 5**

A5 Start: 444  
Sold: 32 parts  
4xsold: 159x4=636  
636-444=192  
Each part=192/32=6  
285  
444-285=159

Std boxes = 10 parts =  $10 \times 6 = 60$  boxes  
Micro boxes =  $3 \times 60 = 180$  boxes  
Large boxes =  $444 - 180 - 60 = 204$  boxes

S: 60  
M: 180  
L: 204

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Apps, Skills, Gamification of education - <http://www.choomantra.com/rajeevgm-notes/apps/>

**3 Questions 3 & 4**

Wed 20 Nov **BARVEMBER**

**3** Jane and Mo have 528 parcels to deliver in total.  
Jane has 3 times as many parcels as Mo to deliver.  
Jane gives Mo some parcels.  
They now have the same amount to deliver.  
How many parcels did Jane give Mo?

**4** Joe plants 8 seeds in a straight line. The seeds are equally spaced. The distance between the 2<sup>nd</sup> and 5<sup>th</sup> seed is 12.6 metres.  
What is the distance between the 1<sup>st</sup> and last seed?

**4 Answer for Question 3**

A3 Start: 528  
Jane: 132, Mo: 396  
Give: Jane: 132, Mo: 132  
Parcels given by Jane: 132 parcels

A4 Distance from 1<sup>st</sup> to last seed =  $7 \times 12.6 / 3 = 29.4$   
29.4m

**7 Power Maths Bonus Question**

**BONUS**

The perimeter of a mirror is 160 cm. Its height is 45 cm. What is its width?

Width =  $(160 - 45 \times 2) / 2 = 35$

**8 Answer to Power Maths Bonus Question**

A 160cm  
45, 45, ?  
 $90 = 45 + 45$   
 $70 = 160 - 90$   
 $35 = 70 / 2$   
35cm width

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Play Animal Kingdom Game on Alexa – <http://bit.do/AlexaAnimalKingdomGame>

**9 Part of chooMantra Maths Initiative**

Download this sheet.  
A3 and A4 size available for printing  
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**10 Essence of chooMantra**

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Its Magical  
Let the Genie Out  
<http://chooMantra.com>

Light of Knowledge  
Mantra - hidden secrets of Knowledge  
@RajeevGM, @chooMantra

**11 Alexa Animal Kingdom Game**

Animal Kingdom Game by RajeevGM

Free to Enable

This is a single or multiplayer Animal Kingdom Quiz game by @RajeevGM.

Play Animal Kingdom Game and learn about animals, its sounds, collectives, young ones, etc.

**12 Instructions to Enable and use Alexa Skill**

Enable Skill

In Alexa app menu, select Skills. Search "Animal Kingdom Game RajeevGM". Click on the skill displayed and click on "Enable Skill".

OR visit <http://bit.do/AlexaAnimalKingdomGame> And click on "Enable Skill". You will need to be logged into Alexa account

Use Skill

After enabling the skill, switch on Alexa enabled device. Once ready say "Alexa, Launch Animal Kingdom Game"

Give a man a bowl of rice, you feed him for a day. Teach him farming, you feed him for life.