

Learn. Play. Create

1 Questions 1 & 2

Thurs 19 Nov **BARVEMBER** 2020

1 Sam has 5 balloons. Pat has 3 more than Sam. How many balloons do they have in total?

2 5 pencils cost 60 pence. How much do 2 pencils cost?

2 Answer for Question 1

A1

$5 + 3 = 8$

$? = 5 + 8 = 13$
or
 $5 \times 2 + 3 = 13$

They have **13 balloons** in total.

3 Answer for Question 2

A2

$60/5 = 12p$
 $2 \times 12 = 24p$

Two pencils cost **24 pence**.

7 Challenge Question 5

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The diagram shows 3 circles.

- The diameter of B is $\frac{1}{5}$ of the diameter of A.
- The diameter of C is $\frac{1}{2}$ of the total diameter of A and B.
- The distance from the centre of A to the centre of C is 91 cm.

What is the diameter of B?

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

4 Questions 3 & 4

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3 Given that $\frac{1}{2}$ of $\star = \frac{1}{3}$ of \diamond and $\star + \diamond = 70$. Find the value of each symbol.

4 The three angles in a triangle are labelled A, B and C. Angle B is twice the size of angle A. Angle C is 40° greater than angle B. What is the size of angle A?

5 Answer for Question 3

A3

$5 \text{ parts} = 70$ $1 \text{ part} = 70/5 = 14$

$\star = 2 \text{ parts} = 2 \times 14 = 28$
 $\diamond = 3 \text{ parts} = 3 \times 14 = 42$

The value of \star is **28** and the value \diamond is **42**.

6 Answer for Question 4

A4

$5 \text{ parts} = 180 - 40 = 140$ $1 \text{ part} = 140/5 = 28$

Size of angle A is **28°** .

8 Answer to Challenge Question 5

A

$(9 + 10 + 7) \text{ parts} = 26 \text{ parts} = 91 \text{ cm}$
 $1 \text{ part} = 91/26 = 7/2$
Diameter of B = $10 \text{ parts} = 10 \times 7/2 = 35 \text{ cm}$

Diameter of circle B is **35 cm**.

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

9 Part of chooMantra Maths Initiative

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A3 and A4 size available for printing
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10 Essence of chooMantra

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".

Use Skill

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

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

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