

I'm not robot!

$x + 2y = 15$ ①
 $3x - 5y = 1$ ②

We can use elimination method here. Coefficients of x are simple factors.
Hence, multiply ① by 3 to eliminate x .

① $\times 3 \Rightarrow 3x + 6y = 45$ ③
Now subtract both equations.
② $-$ ③
 $\Rightarrow 0x - 5y - 6y = 1 - 45$
 $-11y = -44$
 $y = 4$

Substitute this value of y in ①
 $x + 2 \times 4 = 15$
 $x + 8 = 15$
 $x = 15 - 8 = 7$

Christmas in the United Kingdom



In the UK (or Great Britain), families often celebrate Christmas together, so they can watch each other open their presents.

Most families have a Christmas tree in their house for Christmas. The decorating of the tree is usually a family occasion, with everyone helping. Holly, ivy and mistletoe are also sometimes used to decorate homes or other buildings.

Most villages, towns and cities are decorated with Christmas lights over Christmas. Often a famous person switches them on. The most famous Christmas lights in the UK are in Oxford Street in London. Every year thousands of people go to watch the big 'switch on' around the beginning of November.

Father Christmas or Santa Claus leaves presents in stockings or pillow-cases. These are normally hung up by the fire or by a child's bed on Christmas Eve.

In the UK, the main Christmas meal is usually eaten at lunchtime or early afternoon on Christmas Day. It is normally roast turkey, roast vegetables and 'all the trimmings' which means vegetables like carrots, peas, stuffing and sometimes bacon and sausages. It is often served with cranberry sauce and bread sauce.

Dessert is often Christmas pudding. Mince pies and chocolates are often eaten as well! The dinner table is decorated with a Christmas cracker for each person and sometimes flowers and candles.

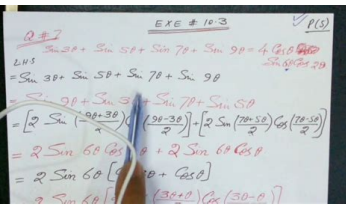
Now answer the questions below about how you celebrate Christmas.

1. How do you celebrate Christmas?

2. Do you have a Christmas tree in your house? _____

3. Describe below what a perfect Christmas tree looks like. What would you decorate the tree with? Try to be as creative as possible!

c) $2 + \frac{3}{6} + 1 = 9 \frac{9-3}{6-3}$
d) $4 + \frac{5}{4} + 1 = 9 \frac{9-5}{4-4}$
e) $1 + \frac{0}{6} + 2 = 3 \frac{3-0}{3-0}$



Name _____ Date _____	
3 rd Grade Review Quiz #1	
1. What numeral shows three thousand, six hundred seventy-four? a) 306,606,4 b) 3,6074 c) 3,674 d) 36,704	2. Which numeral means the same as 7,000 + 200 + 5? a) 7,250 b) 7,205 c) 7,025 d) 725
3. How is the numeral 45,620 written in words? a) Forty-five thousand, six hundred two b) Forty-five thousand, six twenty c) Four hundred fifty thousand, six hundred twenty d) Forty-five thousand, six hundred twenty	4. What is the place value of the 2 in the number 104,298? a) 2 tens b) 2 thousands c) 2 hundreds d) 2 ten thousands

Copyright © 2017 Mathopolis.com If you're seeing this message, it means we're having trouble loading external resources on our website. If you're behind a web filter, please make sure that the domains *.kastatic.org and *.kasandbox.org are unblocked. In a bag full of small balls, 1/4 of these balls are green, 1/8 are blue, 1/12 are yellow and the remaining 26 white. How many balls are blue? Solution Let us first find the fraction of green, blue and yellow balls $1/4 + 1/8 + 1/12 = 6/24 + 3/24 + 2/24$, common denominator = $11/24$, add numerators The fraction of white balls is given by $24/24 - 11/24 = 13/24$ So the fraction $13/24$ corresponds to 26 balls. If x is the total number of balls then $(13/24) \text{ of } x = 26 \text{ balls or } (13/24) \times x = 26 \text{ x } = 26 \times (24/13) = 48$, total number of balls The fraction of blue balls is $1/8 \text{ of } x$. The number of blue balls is given by $(1/8) \text{ of } 48 = 6 \text{ balls}$. In a school 50% of the students are younger than 10, 1/20 are 10 years old and 1/10 are older than 10 but younger than 12, the remaining 70 students are 12 years or older. How many students are 10 years old? Solution Let us write the fraction for each group of students Group A: younger than 10: 50% = 50/100 = 1/2 Group B: 10 years old: 1/20 Group C: older than 10 but younger than 12: 1/10 Group D: 12 years or older: 70 students The fraction for group A, B and C together is given by $1/2 + 1/20 + 1/10 = 10/20 + 1/20 + 2/20$, common denominator = 13/20, add numerators The fraction for group D is given by $20/20 - 13/20 = 7/20$ and corresponds to 70 students If X is the total number of students, then $7/20 \text{ of } X = 70 \text{ or } (7/20) \times X = 70$ Solve for X $X = 70 \times (20/7) = 200$ Students who are 10 years old have a fraction of $1/20$ of the total X and their number is equal to $(1/20) \text{ of } 200 = 10 \text{ students}$ If the length of the side of a square is doubled, what is the ratio of the areas of the original square to the area of the new square $x^2 / (4x^2) = 1/4$ or 1:4 The division of a whole number N by 13 gives a quotient of 15 and a remainder of 2. Find N. Solution According to the division process of whole numbers, N can be written, using multiplication, as follows $N = \text{quotient} \times \text{divisor} + \text{remainder} = 15 \times 13 + 2 = 197$ In the rectangle below, the line MN cuts the rectangle into two regions. Find x the length of segment NB so that the area of the quadrilateral MNBC is 40% of the total area of the rectangle. Solution We first note that the lengths of the rectangle are equal, hence $MC + 5 = 20 + x$ Subtract 5 from both sides of the equation $MC + 5 - 5 = 20 + x - 5$ and simplify to obtain $MC = 15 + x$ The quadrilateral MNBC is a trapezoid and its area A is given by $A = (1/2) \times 10 \times (x + MC)$ Simplify $(1/2) \times 10 \times (x + 15)$ Simplify to obtain $A = 5(2x + 15)$ 40% of the area of the rectangle is equal to $40\% \times (20 + x) \times 10 = (40/100) \times 10 \times (20 + x) = 4(20 + x)$ Since the area of MNBC is equal to 40% the area of the rectangle, we can write $5(2x + 15) = 4(20 + x)$ Expand products $10x + 75 = 80 + 4x$ Solve the above equation $6x = 5 \text{ x } = 5/6 \text{ meters}$ A person jogged 10 times along the perimeter of a rectangular field at the rate of 12 kilometers per hour for 30 minutes. If field has a length that is twice its width, find the area of the field in square meters. Solution Let us first find the distance d jogged distance = rate $\times$ time = $(12 \text{ km/hr}) \times 30 \text{ minutes} = (12 \text{ km/hr}) \times 0.5 \text{ hr} = 6 \text{ km}$ The distance of 6 km corresponds to 10 perimeters and therefore 1 perimeter is equal to $6 \text{ km} / 10 = 0.6 \text{ km} = 0.6 \times 1000 \text{ meters} = 600 \text{ meters}$ Let L and W be the length and width of the field.

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Priya had 30 Red Balls, 30 Green Balls, 9 Blue Balls, and 30 Yellow Balls. She lost 10 Red Balls, 10 Green Balls, and 3 Blue Balls. B. 7. C. 9. D. 11. Answer: B. Also, read: Class 10 Maths MCQs; Class 10 Maths MCQs; Class 10 Maths MCQs; Class 10 Maths MCQs; Maths Questions and Answers for Class 10. View Answer. Basic arithmetic is not an easy subject to teach. It is a very important part of the curriculum. If you are a teacher, you'll have time to answer all the questions. Year 7 free maths worksheets and resources. You can also visit the Year 7 Maths resource page and check out all the free materials (worksheets, test papers, topics, etc). All in all, if you are a Year 7 student, we hope you find these maths test questions useful. 10/01/2021 Why not try next: 100 easy general knowledge quiz questions and answers Easy Maths Quiz Answers. 180° isosceles; Three; 1; Acute; FALSE; A tangent; The Fibonacci sequence; 36 (squares of numbers); 6; Did you know? ... 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