

Sutton Maths Class

Year 5 - Revision Week 2

Week 29

1 $\frac{4}{7} + \frac{1}{3} \times \frac{1}{2} =$

2 $\frac{6}{7} - \frac{5}{14} + \frac{1}{21} =$

3 $\frac{1}{10} \div \frac{3}{2} \times \frac{1}{2} =$

4 Complete the following table:

Fraction	Decimal	Percentage
		50%
		25%
$\frac{1}{3}$		
$\frac{1}{8}$		
	0.7	
		18%

5 0.25×900

6 $7 \div 0.1 =$

7 $0.4 \times 0.03 =$

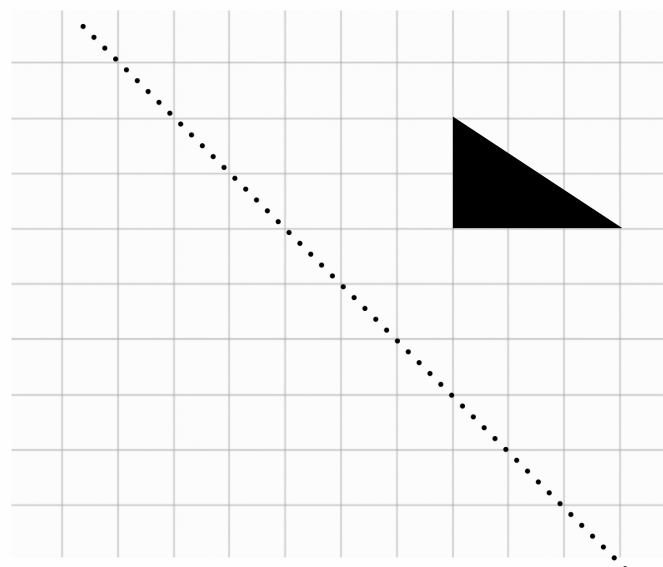
8 $0.8 \div 0.2 =$

9* $10 \times 0.6 \div 0.5 =$

10* $(0.01)^2$

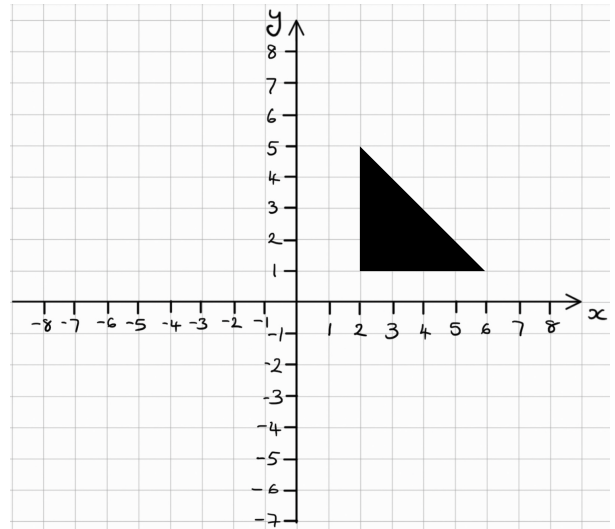
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- 11 A £240 TV is reduced to $\frac{5}{6}$ its original price in a sale. How much is the reduced price?
- 12 Increase 870ml by 20%.
- 13 $-9 - -8 =$
- 14 $5 \times -9 =$
- 15 $7 - 30 =$
- 16 Write 800 as a product of primes.
- 17 A year 5 class have to be able to be grouped exactly into groups of 6 for English and groups of 8 for Maths. What is the smallest number of children that could be in the class?
- 18 Jane cuts 0.3m pieces of wood from a single piece of wood 2m long. What is the maximum number of pieces she can cut? How much will be left over?
- 19 Write the next two terms: 1, 4, 9, 16, 25, ____, ____.
- 20 $8^2 - 2 \times 4 \times -2 =$
- 21 Divide 7kg in the ratio 4:1, give your answers in grams.
- 22 Find the first 4 terms of the sequence with n th term $6 - n^2$.
- 23* Solve $9x - 5 = -23$
- 24* Solve $5x + 3 = 3x + 4$
- 25 How many vertices does a triangular prism have?
- 26 Write 8.4 litres in ml.
- 27 Reflect the shape in the mirror line.

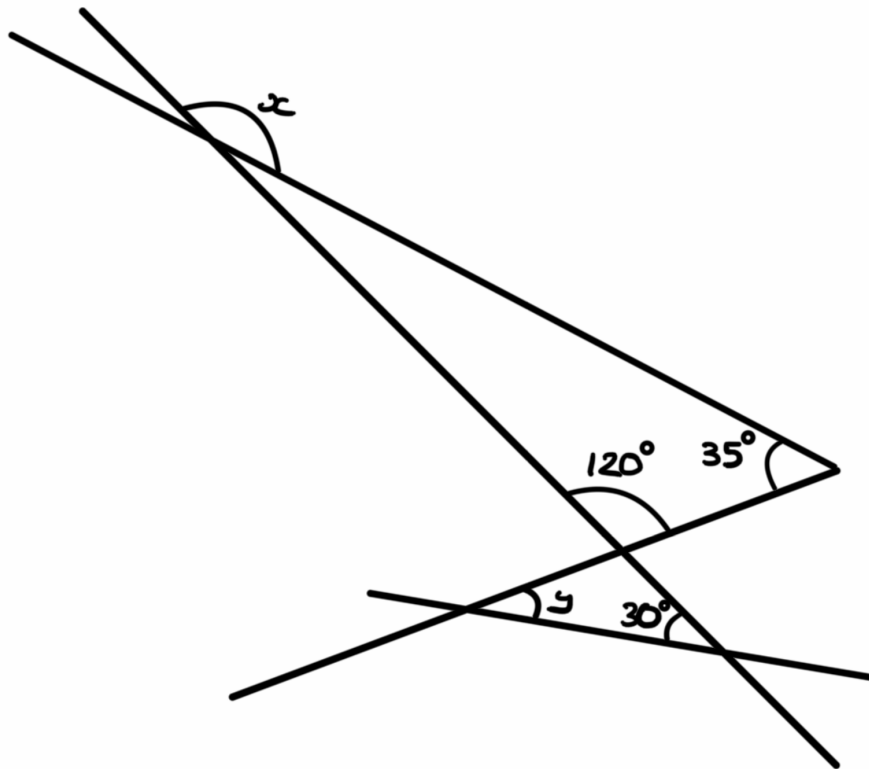


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- 28 Rotate the triangle 90° clockwise about the point $(0,0)$.



- 29 Find angle x and angle y .



- 30* Katie places all of her 200 books on a book case. She needs to allow 15cm for every 5 books on the shelf for them to all fit. What is the minimum book shelving she needs to fit all of her books on the shelves?

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31* Here is a price list for cakes at a cake shop:

	Small piece	Medium Piece	Large piece
Gateaux	£1.95	£2.35	£2.85
Victoria Sandwich	£1.50	£1.75	£2.00
Brownies	£2	£2.25	£2.50
Chocolate Madeira	£1.90	£2.10	£2.40

- What is the cost of 2 large brownies and 3 small gateaux?
- What is the change from a £20 note after buying 2 small chocolate madeira cakes and a large piece of gateaux?
- A group of 8 friends want a small Victoria sandwich and a medium brownie each. What is the total cost?
- If the cake shop increases all of its prices by 10%, what is the total new cost for 2 large brownies and a medium chocolate madeira?

32* A curtain is made up of two equal lengths of fabric sewn together to make it double width. The final length of the curtain is 1.8m. An extra 20cm is allowed onto each length for hems. James wants to make a **pair** of double width curtains.

- How much fabric is needed all together to make pair of double width curtains?
- There are two options of fabric to use, one is £19.99 per metre and the other is £15 per metre. What is the difference in total saved if he uses the cheapest fabric?

33* A school with 1200 pupils is divided equally into 6 houses. If each house has 5 prefect leaders and each prefect leader has an equal number of pupils in their house group, how many pupils are there in each house group excluding the prefect leader?

34* Solve $\frac{10 - 2x}{4} = 10$