Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
				1 250g of cheese costs £3.60, how much will 350g cost?	**2** Laura has a box of mince pies. She gives half of them to Julia. Julia eats three of her pies and then has 5 left. How many mince pies did Laura have in the box?	**3**
4 What is 25°?	**5** If you were given all the gifts in the "12 days of Christmas" how many would you have in total?	**6** Maddies present is in the shape of cuboid with dimensions 30 cm, 25 cm and 15 cm. What is the volume of her present?	**7** Santa leaves home at 11:58pm and is out for 6 hours 36 minutes. What time does he return home?	**8** What is the probability of rolling 2 sixes at the start of a family game of monopoly?	**9** Christian and Helen are decorating a Christmas tree. Christian removed half of the decorations from the storage box - Helen then took half of the remaining decorations from the box and there were 3 decorations left. How many decorations are there altogether?	**10**
11 It is estimated that Santa travels 510,000 km. What is this distance written in standard form?	**12** There are 7 people eating lunch. If each person shares a Christmas cracker with EVERY other person, how many crackers are required?	**13** By rounding estimate the answer to the below: $$\sqrt[3]{\dfrac{785 \times 2.156}{0.19}}$$	**14** Santa's elves get paid £8.40 per hour for up to 10 hours work. Any time over this is paid at 1.25 the normal hourly rate. How much do they get paid for 12.5 hours?	**15** True or False? $a^4 \div a^{-4} = 1$	**16** A box of nuts contains hazelnuts and walnuts. There are 30 walnuts and the probability of choosing a walnut from the box is 0.6 How many hazelnuts are in the box?	**17**
18 If a reindeer runs at 30 kph for 20 mins, what distance will the reindeer have travelled?	**19** Without a calculator, work out $25 \times 12 \times 2017$	**20** How many 'las' are after the 'fa' in the carol "Deck the Halls?	**21** The ratio of angles in a triangle is 2:3:5 Is the triangle right angled?	**22** A cracker has a volume of 14070 mm^3 What is the volume in cm^2?	**23** **CHOCOLATE CAKE** for 6 people 150 g flour 150 g sugar 120 g cocoa 3 eggs	**24** Emma has: 8 eggs, 450 g flour, 380 g sugar, 300g cocoa What is the maximum number of people that she can make cake for ?
25 MERRY CHRISTMAS	**26** Lois has 4 more chocolates than Rob but Matt has twice as many chocolates as Lois. There are 60 chocolates altogether - how many do they each have?	**27** How many days are there between Christmas day and Feb 1st 2018?	**28** If it takes 3 people 8 hours to wrap a load of presents, how long will it take 8 people to wrap the same presents?	**29** Cake A is 60% of the size of cake B. Cake B is 40% of the size of cake C. What percentage of cake C is cake A?	**30** A New Years Eve drink is made using pineapple juice and pink lemonade in the ratio 3:5 Pineapple juice costs £1.20 per litre and pink lemonade costs £1.60 per litre. What is the cost of 15 litres of the drink?	**31**

DECEMBER '17

REMEMBER: THE BEST WAY TO REVISE MATHS IS TO "DO MATHS"!