Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

1) Deep snow has fallen overnight. Christine starts shovelling the snow from her garden path at 7.12 am. She finishes the job at 7.30 am. How long did it take Christine to shovel away the snow?

Answer: _____

2) Paul is making mince pies. He needs 150g. mincemeat for four pies. How much mincemeat does he need for eight pies?

Answer: _____

3) Santa packs 50 presents in his pack. The sack is now half full. How many presents must Santa add in order to fill the sack?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

4) The temperature on Monday night is -2°. On Tuesday morning, the temperature has risen by 5°. What is the temperature on Tuesday morning?

Answer: _____

5) Trudi's Tree Shop has small, medium and large Christmas trees to sell. It costs £15.99 for a small tree, £20.99 for a medium tree and £30.99 for a large tree. Nikki buys a small and a large tree. How much does it cost her?

Answer: _____

6) Emma has 21 baubles to hang on her tree. Four are gold, ten are silver and seven are red. What fraction of Emma's baubles is red?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

7) Santa's elves are wrapping gifts. If it takes one elf one minute to wrap a gift, how long will it take him to wrap five gifts?

Answer: _____

8) If one elf can wrap sixty gifts in an hour, how many gifts can ten elves wrap in an hour?

Answer: _____

9) Toby measures his advent calendar. It measures 40cm by 20cm. What is the perimeter of Toby's advent calendar?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

10) Belinda has a box of 28 chocolates. She wants them to last for a week. How many chocolates should Belinda eat each day?

Answer: _____

11) Sophie has to wrap twelve selection boxes. Each selection box needs 50cm of wrapping paper. How much wrapping paper will Sophie need altogether to wrap her selection boxes?

Answer: _____

12) Mehvish has fourteen satsumas to share between three children. How many satsumas will each child receive and how may satsumas will be left over for Mehvish?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

13) Bella saved £112.53 for presents. She has already completed most of her shopping and has spent £92.27. How much money does Bella have left?

Answer: _____

14)Howard and his little sister leave the house at 1030 and it takes twenty minutes to travel there on foot. They queue up at Santa's grotto for sixteen minutes. Howard's little sister then spends seven minutes with Santa. What time do Howard and his sister leave Santa's grotto?

Answer: _____

15) Which date is three weeks and two days before 17th January?

Answer: _____

16) How many days are there from 25th December 2017 until 25th December 2018, not including 25th December 2018?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

17) Sarah has 50 Christmas cards to post out. It costs 56p for a second class stamp. How much will it cost Sarah to post out all her cards?

Answer: _____

18)Joanne spends one hour ice skating and one hour relaxing in the cafe beforehand. It will take her 30 minutes to drive to the ice rink. If Joanne gets home at 4pm, what time did she leave the house?

Answer: _____

19) There are twenty-four windows on one advent calendar. How many windows are there on 17 advent calendars?

Answer: _____

20) Amy needs 14 crackers for herself and her family. If crackers come in boxes of five, how many boxes will Amy need to buy?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

21) How many legs do 101 reindeer have?

Answer: _____

22) If reindeer can run at 60 kilometres per hour, how far can reindeer run in 30 minutes?

Answer: _____

23) Seven children club together to buy a gift for their teacher. If the gift costs £10.50, how much does each child pay?

Answer: _____

24) Ava got 50% off a Christmas tree that normally costs £40. How much did Ava pay for her Christmas tree?

Answer: _____

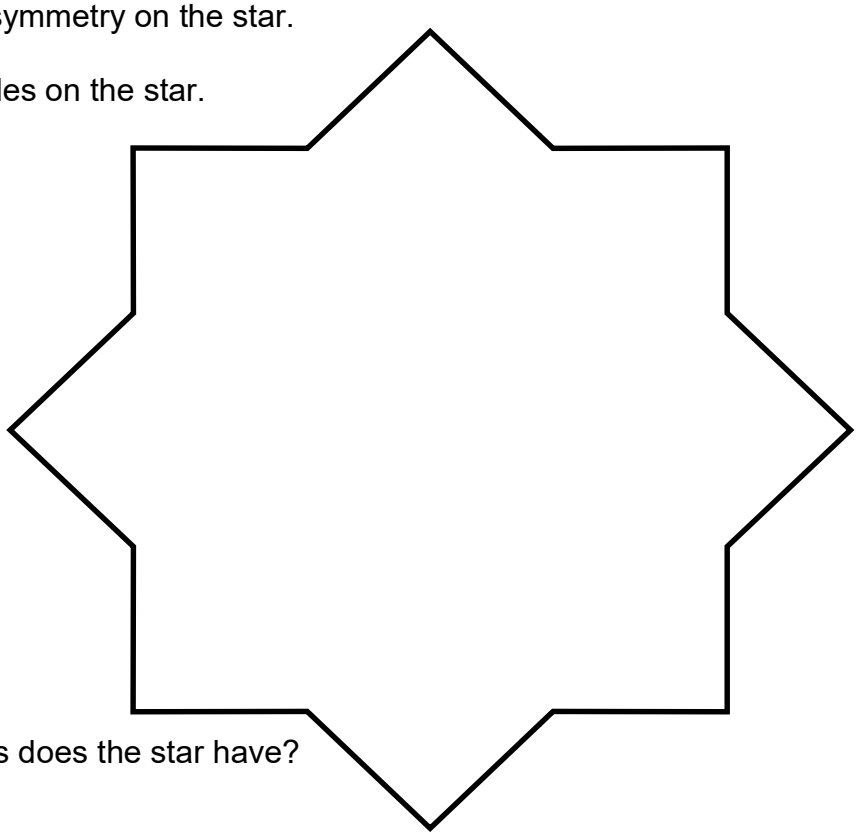
Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

25) Draw the lines of symmetry on the star.

26)Label the right angles on the star.



27) How many vertices does the star have?

Answer: _____

28) Which shapes could you use two of to make this star?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

29) Christine feeds a little robin with a handful of sunflower seeds every day. After 20 days, her 200 gram bag of sunflower seeds is all gone. How many grams are there approximately in one handful of sunflower seeds?

Answer: _____

30) There are 500 turkeys in the farmer's hut but she leaves the door open and 377 escape. How many turkeys are left in the hut?

Answer: _____

31) Ten presents under Kadie's tree are wrapped in gold paper, seven are wrapped in red paper and eight are wrapped in silver paper. What percentage is wrapped in gold paper?

Answer: _____

32) How many hours are in Christmas Eve, Christmas Day and Boxing Day?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

33) Sarah sends out her Christmas cards on 17th December. They take four days to arrive. How many days before the end of December do they arrive?

Answer: _____

34) Santa sets out at 5.15pm on Christmas Eve. He arrives at Amelia's house nine and a half hours later. At what time does Santa arrive at Amelia's house?

Answer: _____

35) How many chocolate bars are there in eight selection boxes which each contain seven bars of chocolate?

Answer: _____

36) Toby opens the selection boxes and eats one bar of chocolate from each of them. How many chocolate bars are left in the eight boxes altogether?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

37) Daniel and Barney are making cookies. They need 250 grams of flour to make six cookies. How many cookies can they make with a kilogram of flour?

Answer: _____

38) Danika and Isaak are making paper chains. They need 7.5 metres of paper strips but they only have 320 centimetres. How much more paper do they need? Give your answer in centimetres.

Answer: _____

39) Santa is playing with some reindeer in a field. If there are ten legs in the field altogether, how many reindeer are there?

Answer: _____

40) Allie builds three snowpeople. The snowman is 120 cm tall; the snowwoman is 10 cm smaller. The snowbaby is half the height of the snowwoman. How tall is the snowbaby?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

41)Zuzanna has a box of decorations. She takes half the decorations out of the box, then she takes three more out. There are now four left in the box. How many decorations were in the box to start with?

Answer: _____

42)Mollie hangs 24 baubles on the Christmas tree. Her cat knocks ¼ of the baubles off the tree. How many baubles are left?

Answer: _____

43)Mollie needs some new baubles! They cost £15.99 per box and she needs two boxes. How much will this cost?

Answer: _____

44)Erin buys a dozen boxes of mince pies. There are six mince pies in each box. How many mince pies does Erin buy in total?

Answer: _____

Space for working out:

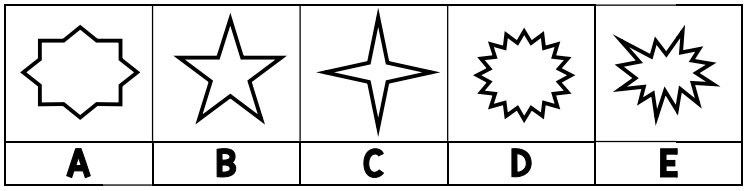
45) Which item measures about 20 centimetres: a Christmas cracker; a Christmas bauble; a Christmas tree or a reindeer?

Answer: _____

46) Which item weighs about 50 grams: a box of chocolates; a satsuma; a Christmas jumper or a reindeer?

Answer: _____

47) Which of the stars has five lines of symmetry in total?



Answer: _____

48) What is the area of an advent calendar with sides of 12 cm?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

49) Niamh asked everyone in her class what they liked best about winter. Here are the results of her survey:

Winter Favourites			
	Snow	Santa	Satsumas
Boys	7	5	4
Girls	3	9	5

How many boys are in Niamh's class?

Answer: _____

50) How many girls are in Niamh's class?

Answer: _____

51) What was the most popular aspect of winter in Niamh's class: snow, Santa or satsumas?

Answer: _____

52) What was the least popular aspect of winter in Niamh's class: snow, Santa or satsumas?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

53) There are 120 shelves in Santa's workshop. There are 9 gifts on each shelf. How many gifts are in Santa's workshop?

Answer: _____

54) There are 352 students at Flixford Primary School. One quarter of these go on a skiing trip in Switzerland. How many students go on the trip?

Answer: _____

55) Santa's sack contains 100 gifts. 50 are wrapped in gold paper, 25 are wrapped in silver and 25 are wrapped in green. If Santa picks out a gift at random, what is the probability that the gift will be wrapped in silver paper? Give your answer as a fraction, simplified if you are able.

Answer: _____

56) Jai's birthday is exactly six months before Christmas. How many weeks is this?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

57) Donner and Blitzen are sharing a sack of apples. Blitzen is bigger than Donner, so he needs more food. For every two apples Donner eats, Blitzen eats three. If Donner eats ten apples, how many does Blitzen eat?

Answer: _____

58) Michael is eating mince pies. He eats three pies in nine minutes. How long will it take him to finish a plate of nine mince pies?

Answer: _____

59) The temperature on Tuesday morning is 1°. On Tuesday evening, the temperature has fallen by 4°. What is the temperature on Tuesday evening?

Answer: _____

60) Trudi's Tree Shop has small, medium and large Christmas trees to sell. The tallest tree is 6.25 metres tall. The smallest tree is 3.42 metres tall. What is the range of tree heights in Trudi's tree shop?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

61) If four elves can wrap 20 gifts in ten minutes, how many gifts can they wrap in half an hour?

Answer: _____

62) Verona has a box of 32 chocolates. Half of the chocolates have soft centres and half have hard centres. How many chocolates have soft centres?

Answer: _____

63) Milly calculates that she will need four sheets of wrapping paper for every eight presents she wraps. If she uses 10 sheets of wrapping paper, how many presents has she wrapped?

Answer: _____

64) Brussels sprouts cost £2.16 per bag and there are 30 sprouts per bag. How much does one Brussels sprout cost?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

65) Thomas wants to save £50 for presents. He has £34.17 so far. How much more money does Thomas want to save?

Answer: _____

66) Which date is four weeks and three days after 1st December?

Answer: _____

67) How many days are there from 25th December 2020 until 25th December 2021, not including 25th December 2020?

Answer: _____

68) Christine has 20 Christmas cards to post out. It costs 65p for a first class stamp. How much will it cost Christine to post out all her cards?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

69)If I eat 1.5 mince pies on each of the twelve days of Christmas, how many will I have eaten by the end of them?

Answer: _____

70) Toby has opened two thirds of the 24 windows on his advent calendar. How many windows are left to open?

Answer: _____

71) Adi needs 12 party hats for himself and his family. If hats come in boxes of eight, how many boxes will Adi need to buy?

Answer: _____

72)How many legs do 75 reindeer have?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

73) If reindeer can run at 52 kilometres per hour, how far can reindeer run in 15 minutes?

Answer: _____

74) Mrs Foster buys a Freddo Popping Candy Bar for each of the 32 children in her class. If each bar costs 30p, how much does Mrs Foster spend in total?

Answer: _____

75) Mr Smith got 25% off a luxury Christmas pudding that normally costs £7.60. How much did Mr Smith pay for his Christmas pudding?

Answer: _____

76) Courtney has made a pile of 28 snowballs but Nicholas has 2.5 times as many. How many snowballs does Nicholas have?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

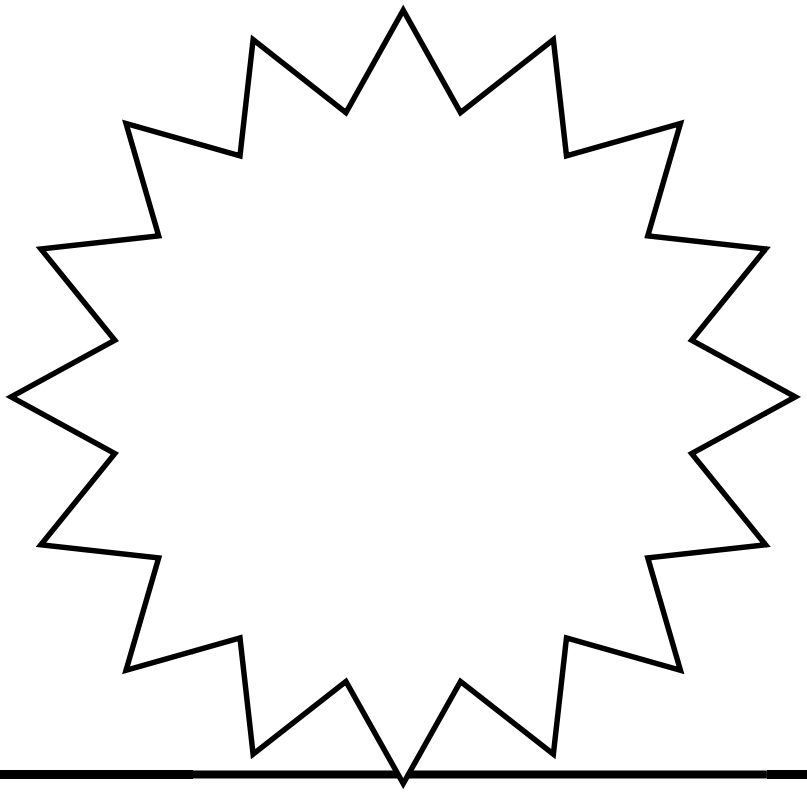
Answer all the questions and remember to show your working out.

77) Mark the acute and obtuse angles on the star (write 'A' for acute and ')' for obtuse.

78) How many vertices does the star have? **Answer:** _____

79)How many lines of symmetry does the star have? **Answer:** _____

80) How many vertices would eight of these stars have? **Answer:** _____



Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

81) Dwayne feeds the birds every day in winter. He calculates that he gives them 100 grams of seed every day. How many 1kilogram bags of seed will Dwayne need to buy for the month of December?

Answer: _____

82) There are 108 geese in the farmer's hut but only 18 cages. How many geese share a cage?

Answer: _____

83) Twelve presents under Abigail's tree are wrapped in gold paper, eight are wrapped in red paper and five are wrapped in silver paper. What percentage is wrapped in silver paper?

Answer: _____

84) How many hours are there between 9 am on Christmas Eve and 7 am on Christmas Day?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

85) Tilly sends out her Christmas cards on 23rd December. They take four days to arrive. How many days after Christmas Day do they arrive?

Answer: _____

86) Santa sets out at 4.30 pm on Christmas Eve. He calculates it will take him 7.5 hours to arrive at Freddie's house. At what time does Santa arrive at Freddie's house?

Answer: _____

87) How many chocolate bars are there in twelve selection boxes which each contain eight bars of chocolate?

Answer: _____

88) Catherine and Evelyn are making reindeer cupcakes. They need 1.2 grams of sprinkles for each cupcake. How many grams of cookies will they need for 12 cupcakes?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

89)Elöd has a box of decorations. He takes half the decorations out of the box, then he takes four more out. There are now four left in the box. How many decorations were in the box to start with?

Answer: _____

90) Ollie hangs 12 chocolates on the Christmas tree. His brother eats three quarters of them. How many chocolates are left?

Answer: _____

91) Ollie needs to get some more chocolates! They cost £1.76 per box and he needs three boxes. How much will this cost?

Answer: _____

92) Isabella buys three boxes of crackers. There are six crackers in each box. How many crackers does Isabella buy in total?

Answer: _____

Space for working out:

Answer all the questions and remember to show your working out.

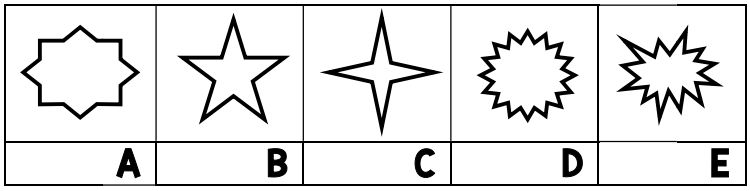
93) Which item measures about 1 metre tall: a Christmas cracker; a Christmas bauble; a Brussels sprout or a reindeer?

Answer: _____

94) Which item weighs about 150 grams: a box of chocolates; a satsuma; a Brussels sprout or a reindeer?

Answer: _____

95) Which of the stars has four lines of symmetry in total?



Answer: _____

96) What is the area of an advent calendar with sides of 13 cm?

Answer: _____

Space for working out:

Better Tuition's 100 Winter Word Problems

Answer all the questions and remember to show your working out.

97) Grace asked everyone in her class what they liked to eat in winter. Here are the results of her survey:

	Winter Food		
	sprouts	pudding	roast potatoes
Boys	3	9	6
Girls	3	10	5

How many boys are in Grace's class?

Answer: _____

98) How many girls are in Grace's class?

Answer: _____

99) What was the most popular winter food in Grace's class: sprouts, pudding or roast potatoes?

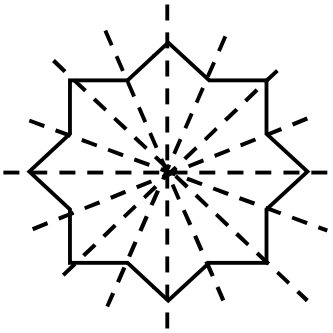
Answer: _____

100) What was the least popular winter food in Grace's class: sprouts, pudding or roast potatoes?

Answer: _____

Space for working out:

Answers

1) 18 minutes
2) 300 grams
3) 50
4) 3 degrees
5) £46.98
6) 1/3 (accept 7/21 if appropriate)
7) 5 minutes
8) 600
9) 120cm
10) 4
11) 6 m/ 600 cm
12) 4 satsumas per child; 2 left over for Mehvish
13) £20.26
14) 1113/ 11:13 am
15) 25th December
16) 365
17) £28
18) 1pm
19) 408
20) Three
21) 404
22) 30 kilometres
23) £1.50
24) £20
25) 

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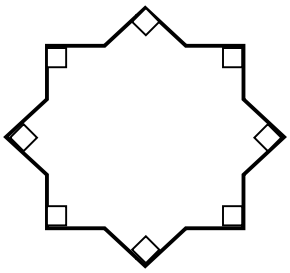
26) 

27) 8

28) Squares

29) 10 grams

30) 123

31) 40

32) 72

33) Ten

34) 1.45 am

35) 56

36) 48

37) 24

38) 430 cm

39) Two

40) 55 cm

41) 14

42) 18

43) £31.98

44) 72

45) A Christmas cracker

46) A satsuma

47) B

48) $144cm^2$

49) 16

50) 17

51) Santa

52) Satsumas

53) 1080

54) 88

55) ¼ (accept 25/100)

56) 26

57) 15

58) 27 minutes

59) -3 degrees

60) 2.83 metres/ 283 cm

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61) 60

62) 16

63) 20

64) 7.2 pence

65) £15.83

66) 1st January

67) 366

68)£13.00

69) 18

70) 8

71) Two

72) 300

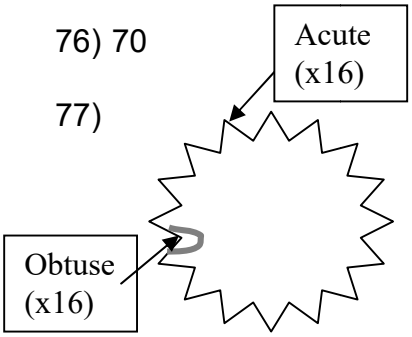
73) 13 kilometres

74) £9.60

75) £5.70

76) 70

77)



78) 16

79) 32

80)128

81) Four

82) 6

83) 20

84) 22

85) Two

86) Midnight

87) 96

88) 14.4

89) 16

90) 3

91) £5.23

92) 18

93) A reindeer

94) Box of chocolates

95) C

96) $169cm^2$

97)18

98) 18

99) Pudding

100) sprouts

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