Name: _____

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April 26, 2024

MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

1) 

Find the Angle at side A.

Answer: _____

2) Round 12.88 to the nearest 10000

Answer: _____

3) $19^{1}/_{8} \times 18^{6}/_{7}$

Answer: _____

4) Convert the following improper fraction $30^{10}/_{14} + 15^{3}/_{4}$ into a mixed number

Answer: _____

5) 'What is the probability of rolling factors of 19.when rolling a dice

Answer: _____

6) 6809 + (-7895)

Answer: _____

7) $^{30}/_{17} - {}^{31}/_{20}$

Answer: _____

8) 7218 - 6696

Answer: _____

9) Factorise $s^2 + 6s + 9$

Answer: _____

10) 

Find the Angle at side A.

Answer: _____

11) 83 x 1000

Answer: _____

12) 'What is the probability of rolling a number less than 2.when rolling a dice

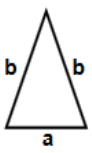
Answer: _____

13) What would you multiply by to decrease an amount by 23%?

Answer: _____

14) Share 88 in the ratio 1:7

Answer: _____

15) 

Find area of triangle
a = 8379 ft, b = 8567 ft

Answer: _____

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MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

16) Find the median of the following set of data:
3, 38, 11, 38, 22, 39, 26, 21, 15, 38, 6, 3, 27, 40, 15, 40, 18, 20, 2, 33

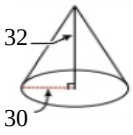
Answer: _____

17) Find the next three numbers in the sequence
0,1,1,2,3,5,8__,__,__

Answer: _____

18) (-8666) - (-5652)

Answer: _____

19) 

Volume of Cone

Answer: _____

20) 8976.9 + 4249.1

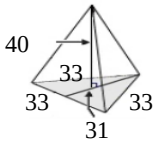
Answer: _____

21) 47 x 100

Answer: _____

22) Solve $15f^2 + 4f - 2 = 0$
Round your solutions to 1 decimal place.

Answer: _____

23) 

Find Volume of Triangular Pyramid

Answer: _____

24) Increase 178 by $^{4}/_{89}$

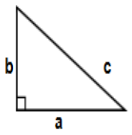
Answer: _____

25) $6\frac{13}{16} \times 15\frac{10}{11}$

Answer: _____

26) Simplify 21:88

Answer: _____

27) 

Find perimeter of triangle
a = 5822 m, b = 9891 m,
c = 9956m

Answer: _____

28) Factorise $7q^2 + 18q + 11$

Answer: _____

29) $35\frac{8}{20} \div 29\frac{14}{15}$

Answer: _____

30) $35\frac{8}{20} \div 29\frac{14}{15}$

Answer: _____

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MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

31) What would you multiply by to decrease an amount by 63%?

Answer: _____

32) Share 16 in the ratio 9:7

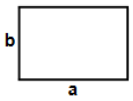
Answer: _____

33) Decrease 402 by 35%

Answer: _____

34) (-96) x (-32)

Answer: _____

35) 

Find area of rectangle having sides a = 5751 in and b = 5163 in

Answer: _____

36) (-2772) ÷ 77

Answer: _____

37) Increase 112 by $^{5}/_{56}$

Answer: _____

38) Convert the following mixed number $26\,^{4}/_{5}$ into an improper fraction.

Answer: _____

39) 48 x 10

Answer: _____

40) Find the range of the following set of data:

-3, 0.6, 1, 13, 4, 2, -5, -0.5

Answer: _____

41) 5805 - (-5797)

Answer: _____

42) 15.7 x 21.6

Answer: _____

43) Factorise $q^2 + 9q + 14$

Answer: _____

44) $\mathbf{30}\ ^{15}/_{18} - \mathbf{37}\ ^{1}/_{14}$

Answer: _____

45) Find the percentage change from 260 to 195

Answer: _____

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MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

46) Round 13.7534116 to 1 decimal places.

Answer: _____

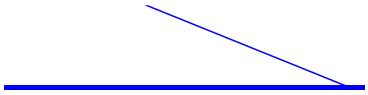
47) (-16) x (-22)

Answer: _____

48) (-16) x (-22)

Answer: _____

49)



A = 22 B

Find the Angle at side B.

Answer: _____

50) $(10 \times 9^{-8}) + (10 \times 9^{8})$

Answer: _____

51) Find the range of the following set of data:

0.9, -2, 0.8, 13, 11, 0.4, 0.9, 5, 0.2

Answer: _____

52) Share 80 in the ratio 4:1

Answer: _____

53) Decrease 138 by $^{1}/_{69}$

Answer: _____

54) Decrease 138 by $^{1}/_{69}$

Answer: _____

55) Increase 54 by 90%

Answer: _____

56) 8631 - 6334

Answer: _____

57) Convert the following fraction into a mixed number: $^{16}/_{2}$

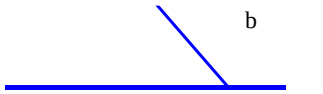
Answer: _____

58) Solve $12j^2 - 15j - 20 = 0$

Round your solutions to 1 decimal place.

Answer: _____

59)



Measure angle boa

Answer: _____

60) A number is chosen at random from 1 to 75. Find the probability of selecting factors of 18 and 16.

Answer: _____

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MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

61) A number was shared in the ratio 15:59. The smaller share was 30. What was the total amount shared?

Answer: _____

62) 5799 x 8732

Answer: _____

63) 3233 ÷ 61

Answer: _____

64) 4015 ÷ 73

Answer: _____

65) Round 8.3463263 to the nearest 10000

Answer: _____

66) Decrease 412 by 55%

Answer: _____

67) Find the value of 'x' by completing the square of the following equation: $^2 + 6x + 9$

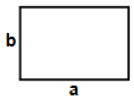
Answer: _____

68) Find the value of 'x' by completing the square of the following equation: $^2 + 8x + 15$

Answer: _____

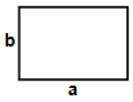
69) 35 x 100

Answer: _____

70) 

Find area of rectangle having sides a = 5907 m and b = 5480 m

Answer: _____

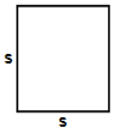
71) 

Find area of rectangle having sides a = 9910 in and b = 9836 in

Answer: _____

72) What would you multiply by to decrease an amount by 7%?

Answer: _____

73) 

Find area of square having each side (s) equals 7491 m

Answer: _____

74) 320 ÷ 10

Answer: _____

75) (-944) ÷ 59

Answer: _____

Name: _____

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MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

76) Factorise $d^2 + 5d + 6$

Answer: _____

77) Round 15.35 to the nearest 100

Answer: _____

78) $^{21}/_{2} + {}^{32}/_{5}$

Answer: _____

79) What would you multiply by to decrease an amount by 52%?

Answer: _____

80) 1824 ÷ 48

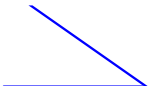
Answer: _____

81) 'What is the probability of rolling a number less than 2.when rolling a dice

Answer: _____

82) Share 85 in the ratio 44:41

Answer: _____

83) 

Name the type of angle.

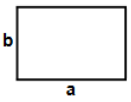
Answer: _____

84) Write 7×10^6 as a normal number.

Answer: _____

85) Share 88 in the ratio 3:8

Answer: _____

86) 

Find perimeter of rectangle having sides a = 9536 in and b = 8232 in

Answer: _____

87) Simplify 1:64

Answer: _____

88) 4012 + 3970.4

Answer: _____

89) $25 \quad {}^{4}/_{8}$

Answer: _____

90) 814.3 - 3672.4

Answer: _____

Name: _____

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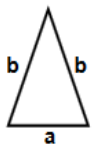
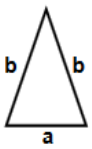
MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

91) 

Find area of triangle
a = 9264 ft, b = 9391 ft

Answer: _____

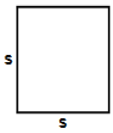
92) 

Find area of triangle
a = 9264 ft, b = 9391 ft

Answer: _____

93) Find the value of 'f' by completing the square of the following equation:
^{2} + 8f + 15

Answer: _____

94) 

Find perimeter of square having each side (s) equals 7302 cm

Answer: _____

95) Factorise $s^2 + 8s + 15$

Answer: _____

96) An amount was increased by 7.9% to $371.00. Find the original amount.

Answer: _____

97) Round 20.50751 to 3 decimal places.

Answer: _____

98) (-1092) ÷ 78

Answer: _____

99) Increase 71 by 16%

Answer: _____

100) Find the mode of the following set of data:
102, 102, 102, 102, 135, 135, 135, 135, 79, 79, 79, 79

Answer: _____

Total: ___ / 100

Name: _____

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MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

Answers:

1) 168	2) 12.88	3) $360\frac{9}{14}$	4) $46\frac{13}{28}$	5) $\frac{1}{6}$	6) -1086	7) $\frac{73}{340}$
8) 522	9) (s + 3)(s + 3)	10) 124	11) 83000	12) $\frac{1}{6}$	13) 0.77	14) 11 : 77
15) 30400800.322889ft	16) 22	17) 13,21,34,	18) -3014	19) 30159.289474462	20) 13226	21) 4700
22) f = 0.3 or -0.5	23) 6820	24) 186	25) $108\frac{67}{176}$	26) 21 : 88	27) 25669m	28) (7q + 11)(q + 1)
29) $1\frac{82}{449}$	30) $1\frac{82}{449}$	31) 0.37	32) 1 : 15	33) 261.3	34)	35) 29692413in
36) -36	37) 122	38) $\frac{134}{5}$	39) 480	40) 18	41) 11602	42) 339.12
43) (q + 2)(q + 7)	44) $13\frac{5}{21}$	45) -25%	46) 13.8	47)	48)	49) 158
50) 430467210	51) 15	52) 16 : 64	53) 136	54) 136	55) 102.6	56) 2297
57) 8	58) j = 2.1 or -0.8	59) 49	60) $\frac{0}{1}$	61) 148	62) 50636868	63) 53
64) 55	65) 8.3463	66) 185.4	67) $(x + 3)^2$	68) $(x + 4)^2 - 1$	69) 3500	70) 32370360m
71) 97474760in	72) 0.93	73) 56115081m	74) 32	75) -16	76) (d + 2)(d + 3)	77) 15.35
78) $16\frac{9}{10}$	79) 0.48	80) 38	81) $\frac{1}{6}$	82) 1 : 84	83) Acute	84) 7000000
85) 8 : 80	86) 35536in	87) 1 : 64	88) 7982.4	89) 5	90) -2858.1	91) 37161884.465933ft
92) 37161884.465933ft	93) $(f + 4)^2 - 1$	94) 29208cm	95) (s + 3)(s + 5)	96) $343.84	97) 20.508	98) -14
99) 82.36	100) 102					