



1) Factorise $j^2 + 10j + 16$

Answer: _____

2) Factorise $f^2 + 4f + 4$

Answer: _____

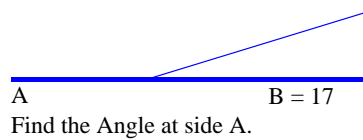
3) Factorise $f^2 + 4f + 4$

Answer: _____

4) $(1 \times 7^9) \times (7 \times 5^6)$

Answer: _____

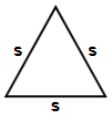
5)



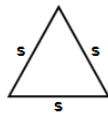
Answer: _____

6) A number was shared in the ratio 4:2. The smaller share was 14. What was the total amount shared?

Answer: _____

 7) Find area of triangle
 $s = 32 \text{ cm}$


Answer: _____

 8) Find area of triangle
 $s = 32 \text{ cm}$


Answer: _____

9) Increase 50 by 18%

Answer: _____

10) \$377.00 earning 8% compound interest for 9 years.

Answer: _____

11) \$377.00 earning 8% compound interest for 9 years.

Answer: _____

12) Write 9×10^5 as a normal number.

Answer: _____

13) \$69.00 earning 7% compound interest for 2 years.

Answer: _____

 14) Find the median of the following set of data:
 2, 15, 12, 13, 3

Answer: _____

 15) Solve by factorising
 $q^2 + 16q - 17 = 0$

Answer: _____

Name: _____

April 15, 2018

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16) 'What is the probability of rolling a number less than 2, when rolling a dice

Answer: _____

17) Write 8×10^2 as a normal number.

Answer: _____

18) What would you multiply by to increase an amount by 38%?

Answer: _____

19) $8000 \div 1000$

Answer: _____

20) Factorise $6j^2 + 25j + 19$

Answer: _____

Total: ____ / 20

Name: _____

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Answers:

- | | | | | | | |
|----------------------|---------------------|---------------------|------------------|------------|------------------------|----------------------|
| 1) $(j + 2)(j + 8)$ | 2) $(f + 2)(f + 2)$ | 3) $(f + 2)(f + 2)$ | 4) 4413675765625 | 5) 163 | 6) 42 | 7) 443.40500673763cm |
| 8) 443.40500673763cm | 9) 59 | 10) \$753.62 | 11) \$753.62 | 12) 900000 | 13) \$79.00 | 14) 12 |
| 15) $q = 1$ or -17 | 16) $\frac{1}{6}$ | 17) 800 | 18) 1.38 | 19) 8 | 20) $(6j + 19)(j + 1)$ | |