Solve these problems.

1. $(28 \div 7) + 93 = \square$
2. $275 - (160 + 17) = \square$
3. $(275 - 160) + 17 = \square$
4. $3 \times (14 \div 7) + 5{\cdot}5 = \square$
5. $9 \div (3 + 1{\cdot}5) = \square$
6. $4 \times (2{\cdot}2 \div 2) - 3{\cdot}4 = \square$

Now find the value of the letter in each calculation.

7. $m \times 5 + 4 = 39$
   $m = \square$
8. $9 \times (6 + j) = 81$
   $j = \square$
9. $t \times 3 - 7 = 20$
   $t = \square$
10. $4 \times (2 + s) = 48$
    $s = \square$
11. $2n + 3 = 21$
    $n = \square$
12. $w \times (5 - 2) = 33$
    $w = \square$
13. $10\ (q - 4) = 60$
    $q = \square$
14. $3 \times (10 - y) = 27$
    $y = \square$

Using only these number cards, make the number sentence work.

$1\frac{1}{2}$ $2\frac{1}{2}$ $3\frac{1}{2}$ 2 3

15. $(\square + \square) \times \square = 10$

THINK

$4 \times (18 - m)$ has the same answer as $(16 - 12) \times m$. What is the value of m?

I am confident with solving calculations using brackets and finding a missing value in a problem.

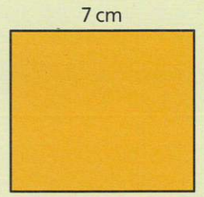
Find the value of the letter in each calculation.

1. $5c + 4 = 54$
2. $4m + 5 = 17$
3. $10 - 2b = 4$
4. $20 - n = 3$
5. $3v + 4 = 12 - v$
6. $10 - b = 4b$

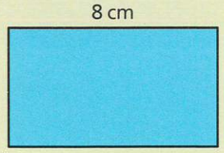
Find a pair of numbers that work in both equations.

7. $m + n + 2 = 11$
   $m - n = 5$
8. $p + q = 20$
   $2p = 10$
9. $a + 2b = 10$
   $a - b = 4$

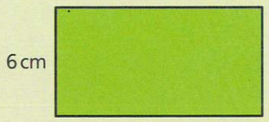
Find the lengths of the missing sides.

10. 

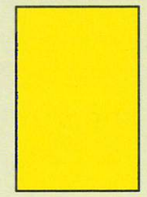
area = 35 cm²

11. 

perimeter = 26 cm

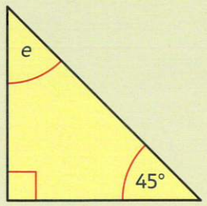
12. 

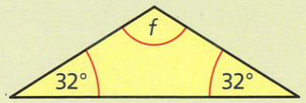
area = 69 cm²

13. 

perimeter = 24 cm

Find the missing angles.

14. 

15. 

THINK

An isosceles triangle has one angle which is three times the value of the other two. What are its angles?

I am confident with finding a missing value in a problem.

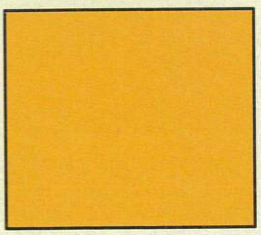
Find the value of the letter in each calculation.

1. $6c - 4 = 26$
2. $7r + 9 = 72$
3. $18 - 3b = 0$
4. $12 - n = 4 + n$
5. $6v - 3 = 32 - v$
6. $10 - 2q = 4q + 1$

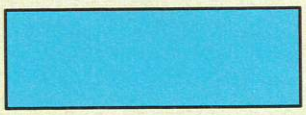
Find a pair of numbers that work in both equations.

7. $m + 2n - 3 = 11$
   $m + n = 9$
8. $2t + s = 9$
   $t + 2s = 7{\cdot}5$
9. $p + q = 10$
   $3p - q = 2$
10. $w - 2y = 7$
    $2w + y = 21{\cdot}5$
11. $3a + b = 9$
    $b - a = 5$

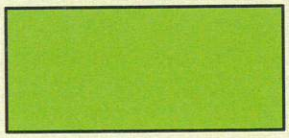
Find the lengths of the missing sides.

12. 

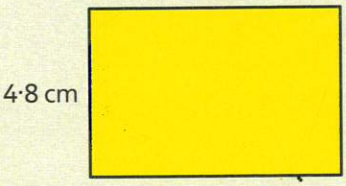
area = 56 cm²

13. 

perimeter = 21 cm

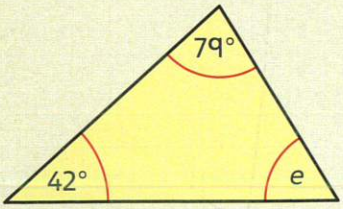
14. 

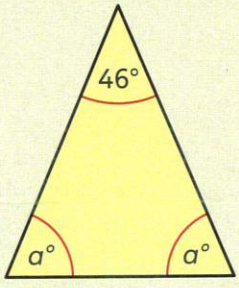
area = 28 cm²

15. 

perimeter = 28·8 cm

Find the missing angles.

16. 

17. 

I am confident with finding a missing value in a problem.