1. 362 + 1243
2. 801 – 329
3. 21x42
4. 364÷7
5. 22 ÷ 1000
6. 1.2 + 2.69+ 0.035
7. 2.4 x 3.1
8. $(1 + 3)^2$ + 2 x 8 ÷ 4
9. How many halves are there in 8.5?
   How many quarters are there in 7.5?
10. Simplify $\frac{72}{81}$

11. $\frac{1}{3} + \frac{5}{8}$
12. What number is four times bigger than four thirds?
13. Find 22% of £440
14. Round 16.623 to
    i.   The nearest whole number
    ii.  Two decimal places
15. Find the HCF and LCM of the numbers 10 and 15
16. Which is better value - a 3.5 bag of carrots costing £8 or a 5kg bag of carrots costing £9.80?
17. Every time Isabella washes the car her mother gives her £2.25. How many times must she wash the car to make more than £15?
18. Beryl says to Algernon, if you give me £3 we'll have the same amount.  Algernon says to Beryl, if you give me £3, I'll have twice as much as you.  Both of them are telling the truth.  How much does Algernon have?
19. Kristina and Ravi shared a box of sweets.  Kristina ate $\frac{3}{5}$ of them.  If 12 sweets were left for Ravi, how many sweets were there in the box at the start?
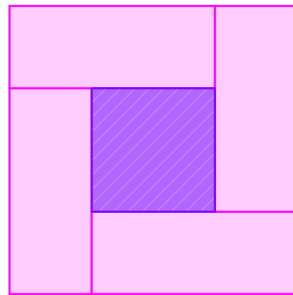


20. Which of these shapes cannot be sorted into any of the cells in this table?  Circle the correct answer



|  | At least one right angle | No right angles |
|---|---|---|
| Triangle |  |  |
| Quadrilateral |  |  |

21. Find the missing angles in the following 4 shapes
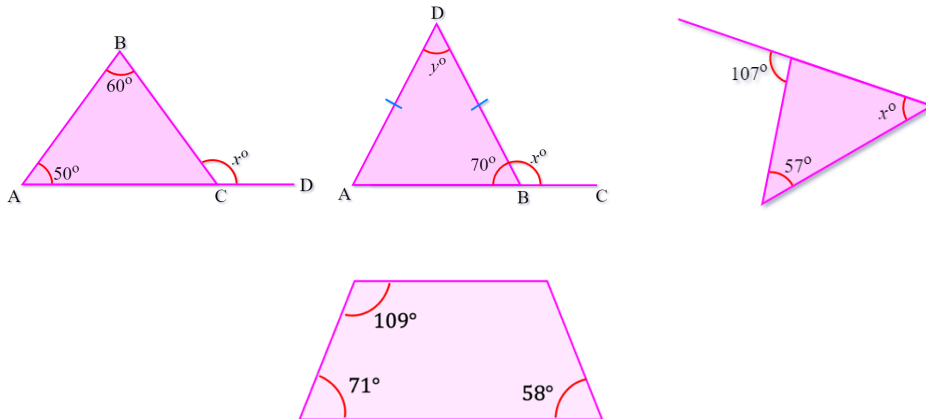


22. Four rectangles each of length 27 cm and width 13 cm are arranged to form the square shown below (not drawn to scale)



    i.    Find the perimeter of the outer square shape
    ii.   Find the area of the shaded inner square

23. A timetable of speakers is shown below.  Isabella leaves her house at 1:50 PM and cycles to the conference which takes 19 minutes.  She then watches the next talk by Kady Bruce, which lasts 33 minutes.  How many minutes are there between Isabella leaving her house and Kady's talk ending`?

| Speaker's Name | Start Times | | | |
|---|---|---|---|---|
| Vanessa Fury | 9:10 am | 10:10 am | - | 3:30 pm |
| Caitlyn Haynes | 11:00 am | 11:30 am | 12:00 pm | 13:30 pm |
| Kady Bruce | 10:30 am | 11:30 am | 1:30 pm | 2:30 pm |
| Petra Herman | 8:15 am | - | 2:15 pm | 4:00 pm |

24. A group of children decide to play a board game but only two boys and two girls can play at the same time.  Alfred will only play with heather. Heather won't play if Ben is playing.  Ben won't play if John or Clara plays.  John will only play if Zara plays.  Zara doesn't mind who she plays with.  Which 2 boys and which 2 girls play the board game?



25. Neil is waiting in a queue for a shop. He is seventh from the front of the queue and eight from the back of the queue.  How many people are in the queue?



26. A bag contains blue, pink, green, yellow and violet counters. The pie chart shows information about the counters in the bag.
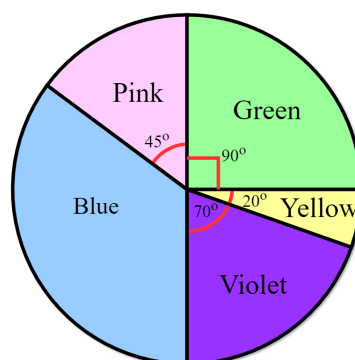


How many people pick a blue counter if there are 216 counters in in total?