







15. Jill and Jack are friends. Each has some money. If Jill gives \$30 to Jack, then Jack will have twice the money left with Jill. But if Jack gives \$10 to Jill, then Jill will have thrice as much as is left with jack. How much money does each have?

(c) \$60,\$32

(d) \$59,\$31

A. Miner

NAMA. (a) \$62,\$34

(b) \$61,\$33

(a) 10/15

(b) 9/15

(a) 88

(b) 77

16. At an international dinner, 1/5 of the people attending were French men. If the number of French women at the dinner was

2/3 greater than the number of French men, and there were no other French people at the dinner, then, what fractions of people at the dinner were not French?

(d) 7/15

(c) 8/15

17. A group of students decided to collect as many cents from each member of the group as is the number of members. If the total collection amounts to \$59.25, the number of members in the group is

(c) 66

(d) 55

All.O









30. A machine P can print 100 thousand books in 8 hours, machine Q can print the same number of books in 10 hours while machine R M. onliner can print them in 12 hours. All the machines are started at 9.00 am. While machine P is closed at 11.00 am and the remaining two machines complete the work. Approximately at what time will the work be finished?

(a) 4:00 pm

(d) 2:00 pm

(c) <u>3</u>:00 pm

(b) 1:00 pm

31. Two cyclists start from the same place in opposite direction. One goes towards north at 18 km per hour and the other goes towards south at 20 km per hour. What time will they take to be 47.5 km apart?

(a) 5/4 hours

(c) 7/4 hours

(d) 9/4 hours

(b) 3/4 hours

32. A piece of 16-gauge copper wire 42 cm long is bent into the shape of a rectangle whose width is twice its length. Find the dimensions of the rectangle.

(c) 9 cm, 34 cm (a) 7 cm, 24 cm (b) 8 cm, 14 cm (d) 7 cm, 14 cm













46. If a rectangular solid has sides, front and bottom faces with areas of 2x, y/2 and xy cm² respectively, what is the volume of the solid in centimeters cubed?

(c) 3xy cm³

(d) 4xy cm³

A. Minor

MMM. 47. Jean Luc, a professional painter, decided to try something a little different. He decided to create a mathematical work of art. He divides a square piece of canvas into nine equal squares and paints the central square red. He then divides each of the remaining eight squares into nine equal squares, painting each of the eight central squares so formed yellow. The remaining squares are again each divided into nine, the centers this time being painted blue. This process is continued using a different M. Miner color for each new set of central squares until over half of the original area of the canvas has been painted with paint. How many central squares have been painted?

(a) 37449

C. MANNA

(a) xy cm³

(b) 2xy cm³

(b) 37450

Aall.of

(c) 37451 (d) 37452

Aall.on



