

MASTER COACHING

NAME:

G & T MATHS & G.A. 7

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Edition 1



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1. When Jane had her 5th birthday her parents gave her \$5. For each of the next birthdays, they gave Jane twice as much as the year before. How much did Jane receive on her 10th birthday?

- a** \$30 **b** \$40 **c** \$80 **d** \$160
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2. How much money had Jane's parents paid her in total from her 5 birthday up to and including her 10 birthday?

- a** \$500 **b** \$315 **c** \$255 **d** \$85
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3. Bob, Tye, Maria, James, and Rick are all different ages. Maria is older than Bob and younger than Tye. James is older than Tye. Rick is older than Bob and younger than Maria. Who is the youngest?

- a** Tye **b** Maria **c** Bob **d** Rick
-

4. It takes 4 carpenters 4 minutes to nail 4 boards in place. At this rate, how long will it take 80 carpenters to nail 80 boards in place?

- a** 4 minutes **b** 10 minutes **c** 80 minutes **d** 640 minutes
-

5. Which is the odd one out?

- a** branch **b** limb **c** bow **d** bough
-

6. You have 8 white socks and 8 blue socks in your drawer. You reach into the drawer without looking and pull out one sock at a time. What is the fewest number of socks you would need to take out to be sure you got a matching pair?

- a** 2 **b** 3 **c** 4 **d** 5
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7. An antique dealer bought an old clock for \$30 and sold it for \$40. He later bought it back for \$50, and then resold it for \$60. Did he make money or loss money by doing these transactions? How much?

- a** Even-no profits or loss **b** \$10 profit **c** \$10 lose **d** \$20 profit
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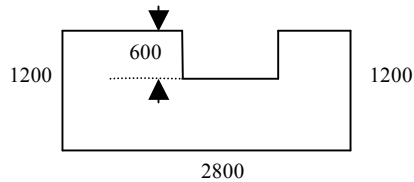
8. Ship is to harbour as car is to

- a** Road **b** Highway **c** Garage **d** Country
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9. A fire-fighter is standing on the middle rung of a ladder. She moved up 9 rungs. The smoke got worse, so she moved back down 13 rungs. When the smoke cleared, she went up 19 rungs to the top. How many rungs does the ladder have?

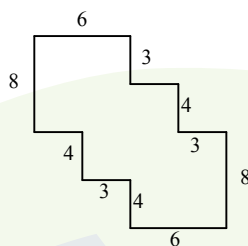
- a** 31 **b** 26 **c** 19 **d** 23

32. A kitchen bench has the design as shown below. All angles are right angles and the dimensions are in millimetres. The length of edging needed to cover the whole perimeter of this bench would be?



- a** 9200mm **b** 5800mm **c** 4600mm
d cannot be determined without more information

33. In the figure below, every angle is a right angle. What is the area in square units, of the figure?



- a** 96
b 108
c 120
d 144

34. If NOSE is written in code as KRPH, how would you write ANKLE in the same code?

- a** XQHOB **b** DKNIW **c** XKUOH **d** DQNOH

35. Two sisters share \$60 in spending money, with the younger sister only receiving half as much as the older sister. How much does the older sister receive?

- a** \$20 **b** \$30 **c** \$40 **d** \$45

36. Which is the correct sentence?

- a** Fay and Don took their pail to fetch the water
b Fay and Don took there pail to fetch the water
c Fay and Don took there pale to fetch the water
d Fay and Don took their pale to fetch the water

37. Which word does not rhyme with how?

- a** plough **b** now **c** know **d** cow

38. All the pupils in Miss Lee's Year 4 class are asked to line up in rows of 4. When this happens there is one left over. They are then asked to line in rows of 6 and there are three left over. There are more than 10 in the class. The smallest number of students in the class is

- a** 15 **b** 17 **c** 21 **d** 33

GENERAL INFORMATION :

The puzzle concerns a farm that has been in the Dunk family for some years. A part of the farm is a rectangular piece of ground known as Dog's Mead. The year is 1939.

Additional information :

Assume no number begins with 0

20 shillings = one pound

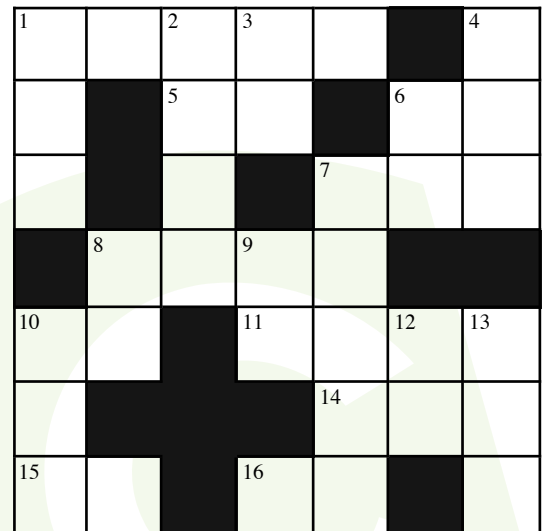
1 acre = $22 \times 220 \text{ yards}^2 = 4840 \text{ yards}^2$

4 roods = 1 acre

1 rood = 1210 yards^2

40 perches = 1 rood

1 perches = $30 \cdot 25 \text{ yards}^2$



ACROSS :

- 1 Area is square yards of Dog's Mead.
- 5 Age of Martha, Father Dunk's Aunt.
- 6 Difference in yards between length & breadth of Dog's Mead.
- 7 Number of roods in Dog's Mead times 8 down.
- 8 The year the Dunk's acquired Dog's Mead.
- 10 Father Dunk's age.
- 11 Year of Mary's birth.
- 14 Perimeter of yards of Dog's Mead.
- 15 Cube of Father Dunk's walking speed in mph.
- 16 15 across minus 9 down.

DOWN :

- 1 Value in shillings per rood of Dog's Mead.
- 2 Square of the age of Father Dunk's mother-in-law.
- 3 Age of Mary, father Dunk's daughter.
- 4 Value in pounds of Dog's Mead.
- 6 Age of Ted, Father Dunk's son, who is twice the age of his sister Mary in 1945.
- 7 Square of the breadth of Dog's Mead in yards.
- 8 Time in minutes it takes Father Dunk to walk $1 - 1\frac{1}{3}$ times around Dog's Mead.
- 9 The number which, multiplied by 10 across, gives 10 down.
- 10 See 9 down.
- 12 Addition of the digits of 10 down + 1.
- 13 Number of years Dog's Mead has been in the Dunk family.