

Logic Round Answers

	Mr. Smith	Mrs. Richard	Mr. Henry	Miss Jones	Mrs. Talbot
Name of classroom	Circle	Triangle	Square	Cylinder	Sphere
Door number	3	17	11	7	13
Door colour	Red	Green	White	Orange	Yellow
Teacher's subject	Art	Maths	Science	History	English
Teacher's favourite sport	Rugby	Netball	Jogging	Football	Cricket

Crossnumber Answers

¹ 4	9	7				² 1	4	³ 5
8			⁴ 6	1	⁵ 3			0
⁶ 6	⁷ 4		5		5		⁸ 4	4
⁹ 2	5	¹⁰ 2	0		¹¹ 2	¹² 4	3	0
		4				4		
¹³ 1	¹⁴ 4	0	¹⁵ 8		¹⁶ 1	4	¹⁷ 7	¹⁸ 9
¹⁹ 8	1		0		2		²⁰ 1	6
1			²¹ 1	7	8			7
²² 1	5	3				²³ 1	0	8

Pupils can ask for their answers so far to be marked at any time. If an answer is correct, tick it and award one mark; if it is wrong, cross it out and enter the correct digit.

Pupils may enter just one digit if they wish, rather than a complete answer. Pupils may sacrifice a square, by guessing, if they wish.

Make a Number Challenge

There may be a variety of ways of solving these problems so please check answers carefully. A possible solution for each question is given below.

1. $100 \times 6 + 8 - 7$
2. $2 \times 8 \times 25 - 5$
3. $4 \times 100 - 8 \times 8 - 3$
4. $3 \times (1 + 3) \times 25 - 3$
5. $(8 + 1) \times (50 + 5 + 4)$
6. $8 \times (50 + 7) + 3 \times 4$
7. $25 \times (4 + 2 + 2 \div 2) - 9$
8. $4 \times (7 \times 25 - 8)$
9. $(5 \times 7 - 9 \div 9) \times 7$
10. $(5 + 6) \times (25 + 3 \times 5 - 3)$

Answers

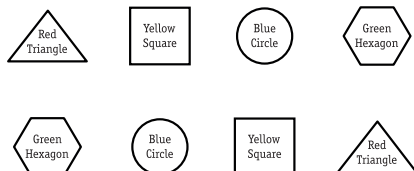
1 – 6

1 The great race

Order of finishing:

Red
Blue
Green
Orange
Yellow
Pink
Black
White
Purple

2 Shape arrangement



3 Football matches — Results:

Chelsea 2 Spurs 1 Att: 39 000
Liverpool 4 Southampton 1 Att: 45 000
Man Utd 0 Arsenal 3 Att: 59 000
Wolves 1 Newcastle 1 Att: 36 000

4 What do we know 1 - continued

3. We can't answer this
4. Yes we can answer - 1 hour and 25 minutes
5. We can't answer this
6. Yes, he spent £56
7. We can't answer accurately but it must have been about 11:00am because we know he left at 8:48, the train took 1 hour and 25 minutes and the taxi ride took 35 minutes and he arrived just in time
8. Yes, he saved £14
9. We can't answer this except to say he lives about 1 hour and 15 minutes away by train
10. We can't answer this

5 Guess my number

1. 42
2. 39
3. 73

4 What do we know 1 - Trip to London

1. Yes we can answer (born 29-04-30)
2. We can't answer accurately. John spent up to £4.75. We need to know the cost of a bacon sandwich

6 Summer holiday

£2068

7 – 9

7 Mystery symbols – A

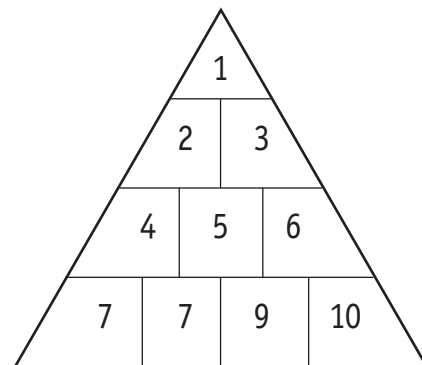
\$	=	1
★	=	2
€	=	3
£	=	4
♣	=	5
♠	=	6
e	=	7

Mystery symbols – B

□	=	1
⊗	=	2
∞	=	3
✎	=	4
♦	=	5
▲	=	6
Ω	=	7
⊛	=	8
♥	=	9

8 Chocolate box

1. Truffle Delight
2. Coconut Heaven
3. Turkish Delight
4. Strawberry Fizz
5. Creamy Caramel
6. Lemon Twist
7. Tantalising Cream
8. Liquid Cherry
9. Chocolate Brazil
10. Hazelnut Crackle



9 Triangle Construction

