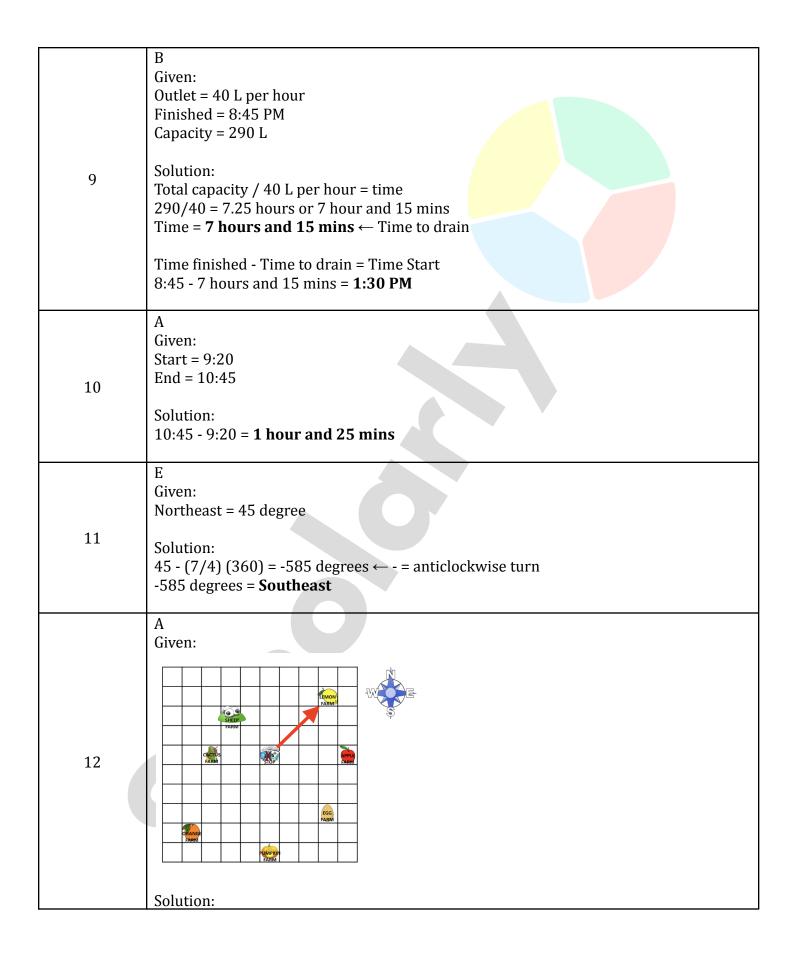
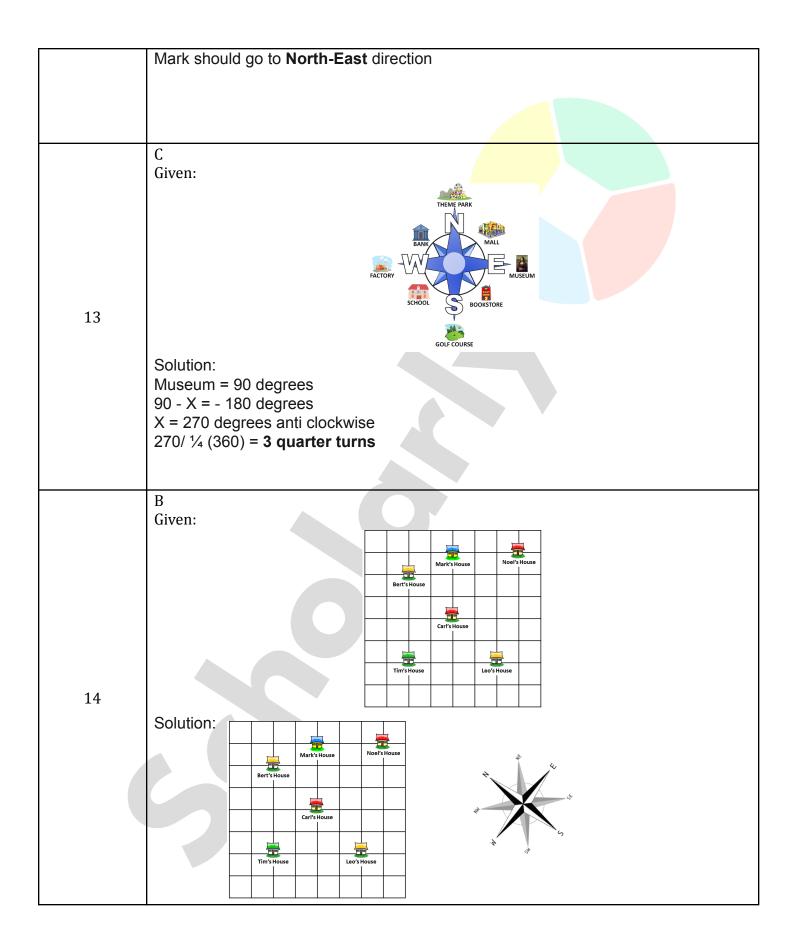
ANSWER KEY

QUESTION	CORRECT ANSWER
1	C Given: 3:15 PM 40kmph 60km Solution: 60/40 = 1.5 hours 3:15 + 1hour 30 mins = 4:45 PM
2	E Given: 18 presents 3 present per hour Start = 7:00 AM Solution: 18/3 = 6 hours 7:00 + 6 hours = 1:00 PM
3	A Given: doubles every year $2020 = 20,000$ Solution: $2(X) = 2000 \leftarrow 2019, 1$ year backwards $X = 10000$ Therefore the answer is year 2019
4	C Given: Fills = 30L per hour Total = 240 L Start = 10:00 AM Solution: 240/30 = 8 hours 10:00 + 8 = 6:00 PM

5	Given: Clock reads = 11:20 1½ hours = Laundry Solution: 11:20 + 1½ hours = 12:50 Long hand = 10 Shorthand Almost at 1 Therefore the answer is choice B
6	A Given: 80 kmph Distance = 240 km Arrival = 4:15 Pm Solution: 240/80 = 3 hours 4:15 - 3 hours = 1:15 PM
7	C Given: 125 crayons per hour 800 crayons Finished = 5:15 Pm Solution: 800/125 = 6.4 hours or 6 hours 24 mins 5:15 - 6 hours 24 mins = 10:51 AM
8	E Given: triples every 5 mins $8:30 \text{ AM} = 10 \text{ bacteria}$ Solution: $10 \times 3 = 30 \text{ bacterias} \leftarrow 5 \text{ mins}$ $30 \times 3 = 90 \text{ bacterias} \leftarrow 10 \text{ mins}$ $8:30 + 10 \text{ mins} = 8:40 \text{ AM}$





	Following the compass above, Noel's house will be located at East of Carl's house
15	Given: A B C D E F G Solution: following the Picture above E3 will be the location of the penguins
16	D Given: Left = 1:20 PM; 12 km per hour 4km Solution: 4/12 = ½ hour = 20 mins 1:20 + 20 mins = 1:40 PM
17	C Given: Frank = 30 mins = 200 paper aeroplanes $Jake = \frac{1}{3} F$ Frank started = 9:00 AM Solution: $30 \text{ mins} \leftarrow Frank$ $\frac{1}{3} (30) = 10 \text{ mins} \leftarrow Jake$ $30 - 10 = 20 \text{ mins}$ $9:00 + 20 \text{ mins} = 9:20 \text{ AM}$
18	B Given: 1 week 3 days

	Start = Wed, Sept 24
	Solution: 1 week = 7 days 7 + 3 = 10 days Wednesday + 9 days = Friday ← Wednesday is counted as 1 Sept 24 + 9 days = October 3 , Friday
19	A Given: 10:00 = 4 copies 1 copy = 80 pages 120 pages per hour Solution: 4(80) = 320 pages in total 320/120 = 8/3 hours or 2 hours and 40 mins 10:00 - 2 hours and 40 mins = 7:20 AM
20	D Given: Start = 3:25 225 mins Solution: 225/60 = 3.75 hours or 3 hours and 45 mins 3:25 - 3 hours and 45 mins = 11:40 AM
21	C Given: $3\ 000\ \text{kg}$ July 14 $300\ \text{kg per day} \leftarrow \text{first 2 days}$ Solution: $300 + 300 = 600\ \text{kg} \leftarrow 2\ \text{days}$ $3000 - 600 = 2400\ \text{kg more}$ $2400/600 = 4\ \text{days}$ $4 + 2 = 6\ \text{days to harvest}$ July 14 - 6 days = July 8th
22	E Given: Every 30 mins

	Last = 9:55 PM
	Solution: Choice E 9:55 PM - 4:55 PM = 5 hours or 300 300/30 = 10 buses to leave ← it is divisible by 30 therefore it is correct Therefore Choice E is the answer
23	B Given: doubles every 3 mins 3:42 PM = 192 000 12 000 = ? Solution: 12 000 (2) = 24 000 24 000 (2) = 48 000 48 000 (2) = 96 000 96 000 (2) = 192 000 4 sets 4(3) = 12 mins 3:42 - 12 mins = 3:30 PM
24	A Given: 1 birdhouse = 20 mins 20 birdhouse = 4:20 PM Solution: 20(20) = 400 mins twice as fast: 400/2 = 200 mins 200/60 = 10/3 hours or 3 hours and 20 mins 4:20 - 3 hours and 20 mins = 1:00 PM
25	C Given: 4 800 seconds ago = 8:55 Solution: 4800/3600 = 4/3 hours or 1 hour and 20 mins 8:55 + 1 hour and 20 mins = 10:15 AM ← Present time 6300/3600 = 1.75 hours or 1 hour and 45 mins

	10:15 + 1 hour and 45 mins = 12:00 PM
	10.15 + 1 Hour and 45 mms – 12.00 FM
26	D Given: North = 0 degrees X + 3/4 Turns - 1/2 Turns - 1/2 turns = N Solution: N = 0 degrees X + 3/4 Turns - 1/2 Turns - 1/2 Turns = N X + 3/4 (360) - 1/2 (360) - 1/2 (360) = 0 X = 90 degrees East = 90 degrees Therefore the answer is East
27	C Given: Solution: Following the compass above, Greg's house will be located at South-East of Kim's house
28	B Given:

	Following the compass above, Fairy Land will be located at South-West of bus stop
29	A Given: THEME PARK MUSEUM SCHOOL BOOKSTORE
	Solution: Following the compass above, if bookstore = North Museum will be at North-West C
30	Given:
	Solution:

