

Maths Answers - Week 27th April

Number of the day Monday

There might be different ways to solve these so don't worry if yours isn't the same as mine!

200

50 1 2 7 10 10

$$10 \times 10 = 100$$

$$2 \times 50 = 100$$

$$100 + 100 = 200$$

106

25 9 1 8 5 4

$$1 + 8 = 9$$

$$9 \times (5 + 4) = 81$$

$$81 + 25 = 106$$

Number of the day Tuesday

150

$$\text{Multiply by 12} = 1800$$

$$\text{Divide by 2} = 75$$

$$\text{Find 25\%} = 37.5$$

$$\text{Divide by 3} = 50$$

$$\text{Multiply by 3} = 450$$

$$\text{Divide by 100} = 1.5$$

Number of the day Wednesday

500

$$\text{Multiply by 12} = 6000$$

$$\text{Divide by 2} = 250$$

$$\text{Divide by 1000} = 0.5$$

$$\text{Find 25\%} = 125$$

$$\text{Divide by 3} = 166\text{r}2 \text{ or } 166.666667$$

$$\text{Multiply by 3} = 1500$$

Number of the day Thursday

1010

$$\text{Multiply by 12} = 12,120$$

$$\text{Divide by 2} = 505$$

$$\text{Find 35\%} = 353.5$$

$$\text{Divide by 5} = 202$$

$$\text{Multiply by 3} = 3030$$

$$\text{Multiply by 100} = 101,000$$

Puzzles:

Monday

This puzzle was more a test of reading and following instructions!

The first sentence told you to read the work before starting it. If you read to the end, you would see that you only had to answer questions 1, 2 and 3!

1. Add 17 to 1070 = 1087
2. Multiply 12 by 6 = 72
3. Subtract the first even number from the third odd number. $5 - 2 = 3$

Tuesday

You will all have your own number patterns for this.

Wednesday

- 48S) Ribs
- 48T) Chicken
- 48U) Steak
- 48V) Chips
- 48W) Fingers
- 48X) Nerves
- 48Y) Lung
- 48Z) Skull
- 48AA) Eyes
- 48BB) Nose
- 48CC) Liver
- 48DD) Blood
- 48EE) Heart
- 48FF) Intestine

49A)

2	2	3	1
1	3		2
2	3	1	
3		2	2

49E)

1	3	3		2	2
2	3		3	3	1
	2	3	1		2
2		3	1	2	
2	3	3	1		3
2	3	1		1	2

49B)

	2	2	3
2	3		2
1	1	2	1
1	3	3	

49C)

1	2		2	3
1	3	2		3
	2	1	1	2
3		2	1	
1	2	2		

49D)

1	1		2	2
2	3	1	2	3
		2	1	
2	3	1		2
2	3	3	1	1

49F)

3	2	2	1		2
1	1		3	2	2
	1	2	1	2	2
2		3	3	3	1
2	1	3		2	2
3	2	3	1	2	

Thursday

16A)

1	6	4
16	20	
7	2	8
21	24	
3	9	5

16B)

2	3	8
10	20	
1	4	5
18	24	
7	6	9

50A)

1	3	4	>	3	2
3	1	2		4	
2	3	4	3	1	
4	2	>	1	<	3

50B)

1	3	1	4	2	2
2	<	4	3	>	1
4	2	1	3		
3	1	2	2	4	

Tasks:

Monday 1 chilli

1. John travels by car for 1 hour at a speed of 40mph. How far does he travel? **40 miles**
2. Chloe is travelling by train to London. She travels at an average speed of 80mph for about 5 hours. Roughly what is the distance from Edinburgh to London? **400 miles**
3. Ruby goes out on her bike and travels for 2 hours at an average speed of 8mph. How far does she cycle? **16 miles**
4. Sophie gets the train to Inverness to go to a concert. The train takes 4 hours and goes at an average of 40mph. How many miles does Sophie travel? **160 miles**
5. Niall cycles to Glasgow. (Well done Niall, you can get the train home!) It takes him 6 hours and he cycles at an average of 9 mph. How many miles has he cycled? **54 miles**

Monday 2 chillies p.16 (HA)

- | | | | |
|-------------|--------------|-------------|--------------|
| 1. 10 miles | 2. 20 miles | 3. 30 miles | 4. 60 miles |
| 5. 3 miles | 6. 7.5 miles | 7. 12 miles | 8. 1 mile |
| 9. 10 miles | 10. 5 miles | 11. 1 mile | 12. 15 miles |
| 13. True | 14. False | 15. True | |

Monday 3 chillies p.90 and Corrections Task (Purple TB)

1. a) Sam b) Sam 8mph Greg 4mph Josh 6mph
2. 25 mph
3. a) 68 mph b) 123 mph c) 14 mph d) 57 mph
 e) 438 mph f) 20 mph
4. a) 121.5 miles by train b) 22.5 mph

Tuesday 1 chilli

1. Fraser travels by car for 3 hours at a speed of 40mph. What distance does he travel? **120 miles**
2. Breagha is travelling by plane to Paris (wouldn't that be nice!). It takes 2 hours. The plane travels at an average of 500mph. Roughly what is the distance from Edinburgh to Paris? **1000 miles**
3. Meg goes on a train to Dundee. It takes 2 hours and goes at an average of 40mph. How many miles does Meg travel? **80 miles**
4. Lachaidh Ailig is travelling to Lewis. He gets the ferry from Ullapool to Lewis. The ferry takes 3 hours and travels at an average of 20mph. How many miles is it on the ferry from Ullapool to Lewis? **60 miles**
5. Seren cycles from Musselburgh to Corstorphine. It takes her 2 hours and she cycles at an average of 9 mph. How many miles does she cycle? **18 miles**

Tuesday 2 chillies p.122 (big book)

1. a) 20mph b) 150km c) 5 m/s d) 60 miles e) 2 hours
f) 15 seconds g) 210 miles h) 45 mph i) 40 hours j) 100 mph
2. 4 mph 3. 400 miles 4. 3 hours

Tuesday 3 chillies p.40 (little book)

3. 10.4 m/s 4. 43.3 mph 5. Yes; his average speed was 44.8 mph.

Exercise 14C Calculating distance

1. a) 180 miles b) 630 km c) 52.5 m d) 577.5 km
2. 750 km 3. 10 miles 4. 5.04 miles
5. Billy travelled 1.5 km further than Alice.

Exercise 14D Calculating time

1. a) 6 hours b) 4.5 hours c) 8 seconds d) 3.5 hours
2. 5 hours 3. 2.5 hours 4. 40 seconds
5. Chris took half an hour longer.

Exercise 14E Mixed calculations

1. 318.75 km
2. 4 hours and 48 minutes

Wednesday 1 chilli

1. Sayen travels on a minibus for 2 hours at an average speed of 40mph. How far does she travel? **80 miles**
2. C7 are travelling to school camp! They travel for 3 hours at an average speed of 50mph. How far do they travel? **150 miles**
3. Clodagh is travelling on a plane for 4 hours at an average speed of 600mph. How far has she travelled? **2400 miles**
4. Adam goes for a cycle and travels at 9mph for 2 hours. How far has he travelled? **18 miles**
5. Bluebell goes for a trek on a horse to the beach (wouldn't that be so good right now!!). She travels at 7mph for 2 hours. How far does she go on the horse? **14 miles**
6. Gabriel goes for a walk. He leaves the house at 1 o'clock and gets home at 3 o'clock. He walks at a speed of 3mph. How far has he walked? **6 miles**

Wednesday 2 chillies p. 120 (big book)

1. a) 80 miles b) 175 km c) 48 m d) 9 miles
2. 48 km
3. 2250 miles
4. Distance column should be:
20 miles, 40 miles, 200 miles, 10 miles, 5 miles

Wednesday 3 chillies p. 41 (little book)

Exercise 14F Distance-time graphs

1. a) i) 15 mph ii) 30 mph
b) It returned to the place it started from at 60 mph.
2. a) 12 km/h
b) She stopped for 5 minutes (perhaps waited for the bus).
c) 24 km/h

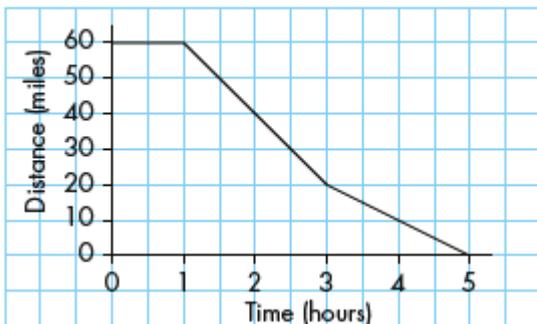
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a



The car drove at a steady speed of 10 mph for 2 hours then stopped for 1 hour. It then drove at a steady speed of 30 mph for 1 hour before stopping for 1 more hour. It finished 50 miles from home.

b



The car started 60 miles away from home and was stopped for 1 hour. It then drove towards home at a steady speed of 20 mph for 2 hours before slowing down and driving at 10 mph for the next 2 hours, ending up at home.

c



The car drove at 40 km/h for 1 hour then stopped for 1 hour. It then drove at 20 km/h for 1 hour and stopped again for another hour. It finally drove home at a steady speed of 60 km/h.

4. a) Dave started 1.5 hours before Claire.

b) 12:30 pm

c) Claire's average speed was 20 mph, which was 2.5 mph faster than Dave's.

Thursday

You are writing your own word problems and sending them to me with the answers!