

Answers for Y6 Maths (wb 27.04.20)

Morning Mental Maths

Monday	Tuesday	Wednesday	Thursday	Friday
1. 2838	11. 7344	21. 33,698	31. 39,390	41. 99,882
2. 255.52	12. 367.64	22. 67.68	32. 706.86	42. 144.12
3. 350	13. 575	23. 610	33. 490	43. 225
4. 1900	14. 2540	24. 2000	34. 2630	44. 1860
5. 78	15. 51	25. 103.05	35. 143.25	45. 107.55
6. hexagon	16. heptagon	26. octagon	36. Square/rectangle/diamond/ rhombus/trapezium	46. decagon
7. 180 mins	17. 300 mins	27. 420 mins	37. 720 mins	47. 1440 mins
8. 1.846km	18. 1.427km	28. 2.695km	38. 6.969km	48. 22.514km
9. 0.44	19. 0.68	29. 0.56	39. 0.19	49. 0.93
10. 236	20. 452	30. 987	40. 546	50. 849

Monday

No answers required

Tuesday

No answers required

Wednesday

No answers required

Thursday

Fluency

1. 150
2. 270
3. 176
4. 175
5. 310
6. 560
7. $1\%=3$ so $100\% = 300$
8. $1\%=4$ so $100\% = 400$
9. $1\%=8$ so $22\% = 176$
10. $1\%=3$ so $72\% = 216$

Reasoning

R1:

“You would need to calculate 10% and then using this to find 100%. So calculate $40 \div 4 = 10\%$, then $10\% \times 10 = 100\%$.”

R2:

“10% of 55 is 5.5 - you cannot have 0.5 of a vote/person, therefore this is incorrect.”

Problem Solving

$$10\% = 32$$

$$50\% = 10\% \times 5 \text{ so } 32 \times 5 = 160$$

Friday

Reasoning

40 out of 80 = 50% (half marks) so Hassan achieved a higher score.

Problem Solving

P1:

$$15 \text{ out of } 60 = 25\%$$

$$60 \div 15 = 4$$

$$100 \div 4 = 25$$

P2:

$$75\% \text{ (18 out of 24)}$$

P3:

$$7 \text{ out of } 20 = 35\%$$

$$1 \text{ cube is } 100\% \div 20 = 5\%$$

$$7 \text{ black cubes is } 5\% \times 7 = 35\%$$

Dive Deeper

Grapes = 30% and Apple = 25% - there is a difference of 5%.

This 5% is worth 20 children.

If 5%=20, then 100% = 20x20=400 children