

# Math Answer Sheet

## 1 – Numbers Revision Exercise

- |                                  |                      |                 |                       |
|----------------------------------|----------------------|-----------------|-----------------------|
| 1. Seventy-one thousand and four | 12. A – 3, B – 2     | 23. 60,469      | 34. 25 boys, 20 girls |
| 2. 506,015                       | 13. 31               | 24. 18 and 17   | 35. 84 crayons        |
| 3. 7,000                         | 14. Sarah - \$196.00 | 25. 12,191      | 36. 2,730 books       |
| 4. Hundreds of thousands         | Rupa - \$98.00       | 26. 92          | 37. \$362.00          |
| 5. 7,825                         | 15. 6                | 27. \$136.00    | 38. 19 days           |
| 6. 200 times                     | 16. \$10,150.00      | 28. 143 mangoes | 39. a) 8 crates       |
| 7. 97,000                        | 17. Sam              | 29. \$1,875.00  | b) 4 eggs             |
| 8. 23 eggs                       | 18. 6                | 30. a) 35 kg    | 40. 50 balls          |
| 9. 1,000                         | 19. 324              | b) 39 kg        |                       |
| 10. A – 8, B – 3                 | 20. 4,316 seats      | 31. \$135.00    |                       |
| 11. 7                            | 21. \$545.00         | 32. 33 friends  |                       |
|                                  | 22. Jenna - \$33.00  | 33. 90,065      |                       |

## 2 – Fractions Revision Exercise

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|---|---|-------------------|---------------------|
| 1. 4 sixths   | 11. $\frac{2}{3}$   | 21. 12 males      | 31. $\frac{12}{16}$ |
| 2. a) $\frac{2}{5}$ b) $\frac{7}{16}$ c) $\frac{7}{13}$ | 12. 15 quarters   | 22. 11 students   | 32. 160 cupcakes    |
| 3. $8\frac{1}{2}$                                       | 13. $\frac{2}{6}, \frac{2}{4}, \frac{7}{12}, \frac{2}{3}$ | 23. $\frac{2}{3}$ | 33. \$60.00         |
| 4. $4\frac{1}{2}$                                       | 14. $\frac{5}{6}, \frac{2}{3}, \frac{2}{4}, \frac{1}{3}$  | 24. $\frac{1}{6}$ | 34. 48 students     |
| 5. $3\frac{3}{8}$                                       | 15. 19  | 25. \$75.00       | 35. $1\frac{1}{10}$ |
| 6. $\frac{5}{8}$  | 16. $1\frac{9}{10}$ kg                                    | 26. $\frac{3}{8}$ | 36. 200 m           |
| 7. $3\frac{1}{3}$                                       | 17. $31\frac{1}{2}$ m                                     | 27. 9 salt prunes | 37. 440 students    |
| 8. $\frac{7}{12}$                                       | 18. 16 people   | 28. 480 fruits    | 38. 126 women       |
| 9. $\frac{3}{8}$  | 19. 18 balls  | 29. 24 km         | 39. 15 shells       |
| 10. \$32.00   | 20. 6 kg  | 30. 48 yams       | 40. \$3.75          |

## 3 – Decimals Revision Exercise

- |                                       |                         |                      |                     |
|---------------------------------------|-------------------------|----------------------|---------------------|
| 1. $2 + \frac{5}{10} + \frac{4}{100}$ | 11. 41                  | 21. 9.1              | 31. 78 children     |
| 2. 7.3                                | 12. 0.68                | 22. 48 stamps        | 32. 0.4             |
| 3. 27.06                              | 13. 0.86                | 23. 0.55             | 33. \$100.00        |
| 4. $2\frac{17}{20}$                   | 14. 0.906               | 24. 21 students      | 34. 0.25            |
| 5. $\frac{1}{100}$ (one hundredths)   | 15. 5.2, 2.5, 0.5, 0.25 | 25. 96 green pencils | 35. 2.2 cm          |
| 6. 4.8                                | 16. 0.2944              | 26. 8.2 m            | 36. 2 m             |
| 7. 11.1                               | 17. 32 g                | 27. 144 boys         | 37. a) 19.2, b) 4.5 |
| 8. 62.604                             | 18. 0.25                | 28. 400 g            | 38. 0.333           |
| 9. 6.64                               | 19. 8                   | 29. 14               | 39. 0.4             |
| 10. \$27.30                           | 20. 0.125               | 30. 126 plums        | 40. \$446.25        |

#### 4 – Percentage Revision Exercise

- |                                     |                       |  |                                |
|-------------------------------------|-----------------------|--|--------------------------------|
| 1. $\frac{1}{2}$                    | 11. \$21.00           | 21. 78%  | 31. Science, Spelling, Reading |
| 2. 8%                               | 12. 30%               | 22. \$7,888.00   | 32. 60%                        |
| 3. $37\frac{1}{2}\%$                | 13. $66\frac{2}{3}\%$ | 23. $16\frac{2}{3}\%$                                  | 33. \$2,731.25                 |
| 4. 72                               | 14. 40%               | 24. 45 km  | 34. a) 0.24 b) $\frac{6}{25}$  |
| 5. 0.46                             | 15. 11 marks          | 25. 6 squares  | 35. Kerry and Lisa             |
| 6. She is incorrect. ( $\div 100$ ) | 16. $66\frac{2}{3}\%$ | 26. 75%  | 36. 53%                        |
| 7. 40%                              | 17. \$1,674.00        | 27. 324 mangoes  | 37. \$8,032.50                 |
| 8. 18                               | 18. \$4.50            | 28. 20 packets   | 38. \$38,582.50                |
| 9. 105 minutes                      | 19. \$3,499.20        | 29. 126 cherries                                       | 39. He is incorrect.           |
| 10. 44 m                            | 20. \$576.00          | 30. a) $\frac{7}{8}$ , 82%, 0.65 b) $152\frac{1}{2}\%$ | 40. \$250.00                   |

#### 5 – Metric Measurements Revision Exercise

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|--------------------|---------------------|-------------------|--------------------------------|-----------|
| 1. (c) kilometres  | 11. 18 m 21 cm      | 20. 12 half kg    | 30. 14 cm                      | 40. 23 kg |
| 2. (d) kilograms   | 12. 160 cm or 1.6 m | 21. 60 apples     | 31. \$13.80                    |           |
| 3. (b) millilitres | 13. 1,600 g         | 22. 2.75 kg       | 32. \$5.50                     |           |
| 4. (c) hectares    | 14. 4 bags          | 23. 5.6 L         | 33. 217 poles                  |           |
| 5. 6.2 cm          | 15. 2.4 kg          | 24. 7.45 kg       | 34. 1.44 m                     |           |
| 6. 4,075 ml        | 16. 6.48 km         | 25. \$750.00      | 35. 480 g                      |           |
| 7. 2.2 L           | 17. \$362.50        | 26. 690 ml        | 36. \$65.00                    |           |
| 8. 5.175 kg        | 18. 50.15 kg        | 27. 4.85 km       | 37. 6 bolts                    |           |
| 9. 42 glasses      | 19. 0.037 km, 28 m, | 28. 0.525 kl      | 38. 89 g                       |           |
| 10. 5.1 m          | 375 cm, 1,500 mm    | 29. $\frac{1}{2}$ | 39. Vendor B (\$11.00 cheaper) |           |

#### 6 – Area and Perimeter Revision Exercise

- |                                     |                         |                         |   |
|-------------------------------------|-------------------------|-------------------------|---|
| 1. 260 m                            | 11. 80 cm               | 21. 400 m <sup>2</sup>  | 31. 48 cm   |
| 2. 300 m                            | 12. 672 m               | 22. 56 cm               | 32. 128 cm <sup>2</sup>                                 |
| 3. 16 m                             | 13. 256 cm <sup>2</sup> | 23. 162 cm              | 33. 526 m <sup>2</sup>                                  |
| 4. 504 m                            | 14. 2 m                 | 24. 32 m <sup>2</sup>   | 34. 18 sheets   |
| 5. \$4,482.00                       | 15. 225 m <sup>2</sup>  | 25. \$7,020.00          | 35. a) 20 cm b) 10 cm                                   |
| 6. 560 poles                        | 16. 14 cm <sup>2</sup>  | 26. 100 cm <sup>2</sup> | 36. 884 m <sup>2</sup>                                  |
| 7. 45 m                             | 17. 18 m                | 27. 64 cm               | 37. 4 times   |
| 8. 27 poles                         | 18. 8 sheets            | 28. \$1,080.00          | 38. 120 m   |
| 9. 12.8 m                           | 19. * See page 4        | 29. B by 2.4 cm         | 39. 32.5 cm <sup>2</sup>                                |
| 10. 1 <sup>st</sup> – 12 cm × 12 cm | 20. 100 tiles           | 30. 60 cm <sup>2</sup>  | 40. The student was incorrect.                          |
| 2 <sup>nd</sup> – 6 cm × 6 cm       |                         |                         | Area = 336 cm <sup>2</sup> , Perim – 80 cm <sup>2</sup> |

#### 7 – Volume and Patterns Revision Exercise

- |                        |              |                             |                                 |
|------------------------|--------------|-----------------------------|---------------------------------|
| 1. a) 8 cubes          | 4. 84 cubes  | 10. 66 cubes                | 14. a) 144 cubes                |
| b) 26 cubes            | 5. 180 cubes | 11. 56 cubes                | b) Level 10                     |
| c) 22 cubes            | 6. 288 cubes | 12. 184 cubes               | 15. Adding successive multiples |
| 2. L – 10 cm, B – 4 cm | 7. 240 cubes | 13. a) 56 cubes             | of 3 cubes to the number in the |
| H – 4 cm               | 8. 64 cubes  | b) 10 <sup>th</sup> pattern | previous pattern.               |
| 3. 36 cubes            | 9. 40 cubes  |                             | 16. a) 120 cubes                |
|                        |              |                             | b) Stack 8                      |

## 8 – Time Revision Exercise

- |                |                           |                          |   |
|----------------|---------------------------|--------------------------|---|
| 1. 10:15       | 9. 3:15 pm                | 17. * See page 4         | 25. Two $\frac{1}{4}$ turns, clockwise. |
| 2. 1:25        | 10. 35 minutes            | 18. \$52.00              | 26. 630 minutes                         |
| 3. 25 minutes  | 11. 2:00 pm               | 19. 11                   | 27. 1 hour 57 minutes                   |
| 4. Ken         | 12. $1\frac{5}{12}$ hours | 20. Ajay                 | 28. 3 hours 20 minutes                  |
| 5. 280 minutes | 13. 12.5 hours            | 21. \$160.00             | 29. * See page 4                        |
| 6. 2:30        | 14. 3:50                  | 22. 3 days               | 30. 10:45 am                            |
| 7. 1:55 pm     | 15. 10:43                 | 23. $2\frac{1}{2}$ hours |   |
| 8. 12:50 pm    | 16. \$30.00               | 24. $7\frac{1}{2}$ days  |   |

## 9 – Money Revision Exercise

- |              |                       |                         |                               |                          |
|--------------|-----------------------|-------------------------|-------------------------------|--------------------------|
| 1. 20        | 11. \$37.80           | 20. \$72.00, \$5.00, 5, | 28. Carn – 6, Rose - 7        | 34. \$1,620.00           |
| 2. 45        | 12. 10                | \$125.75, \$14.25       | Lil – 5, Ging - 6             | 35. 9 pens, 17 notebooks |
| 3. 10        | 13. \$12.00           | 21. \$11.56             | 29. Pumpkin - \$132.00        | 36. 360 oranges          |
| 4. 532       | 14. \$320.00          | 22. \$612.00            | Pine - \$66.00, Paw - \$22.00 | 37. 10 customers         |
| 5. \$10.18   | 15. \$1,350.00        | 23. \$180.00            | 30. Hardware Price Right      | 38. a) Vendor A          |
| 6. \$13.00   | 16. 3 days            | 24. \$398.00            | 31. Reese - \$65.00           | (\$108.00 cheaper)       |
| 7. \$960.00  | 17. \$40.00           | 25. \$15.50             | Sita - \$60.00                | b) \$103.50              |
| 8. \$8.94    | 18. Chow mein (2),    | 26. \$127.20            | 32. B - \$12.60               | 39. \$197.00             |
| 9. \$35.25   | Shrimp (1), Fries (3) | 27. 15 months           | C - \$25.20                   | 40. \$3,834.00           |
| 10. \$171.00 | 19. \$24.00           |                         | 33. \$207.50                  |                          |

## 10 – Angles Revision Exercise

- |                                 |                  |                          |  |
|---------------------------------|------------------|--------------------------|--|
| 1. 2 turns                      | 9. $\frac{3}{4}$ | 17. C, D, A, B           | 25. N  |
| 2. $\frac{3}{4}$                | 10. >            | 18. South                | 26. $60^\circ$ is less than a $\frac{1}{4}$ turn |
| 3. 1                            | 11. scalene      | 19. teacher's discretion | 27. SE   |
| 4. 3 turns                      | 12. A            | 20. >                    | 28. B  |
| 5. S                            | 13. AC and CD    | 21. 3 turns              | 29. Right-angled triangle                        |
| 6. a) acute b) obtuse c) right  | 14. a and c      | 22. >, <                 | 30. A – Right-angled                             |
| 7. a) acute b) obtuse c) reflex | 15. 3            | 23. * See page 4         | B – Isosceles, C – Equilateral,                  |
| 8. teacher's discretion         | 16. 2 spaces     | 24. 3                    | D – Scalene                                      |

## 11 – Plane Shapes, Solids and Symmetry Revision Exercise

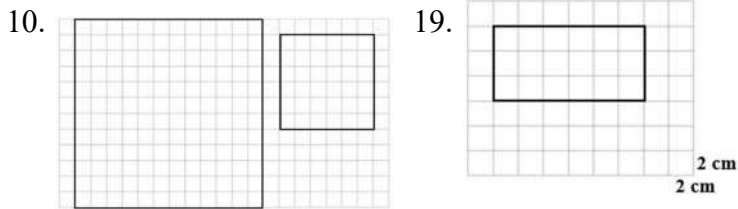
- |   |   |   |   |
|---|---|---|---|
| 1. Trapezium – 1 pair of parallel lines                           | 8. 15 edges   | b) A has 4 lines of symmetry, B has 2 lines of symmetry | 21. a) ED   |
| 2. 2 lines of symmetry*   | 9. * See page 4   | A has 4 right angles, B has no right angles.            | b) BD   |
| 3. triangular prism   | 10. Faces – 5, Edges – 8, Vertices – 5                  | 15. A   | c) CD   |
| 4. triangular prism – 9 triangular based pyramid - 6 cylinder - 2 | 11. Parallelogram – 0 lines of symmetry                 | 16. * See page 4  | 22. * See page 4                                    |
| 5. Trapezium* See page 4  | 12. Cuboid  | 17. * See page 4  | 23. A and D are similar, same shape, different size |
| 6. Octagon* See page 4  | 13. He is incorrect. He drew a triangular-based pyramid | 18. Rhombus*  | 24. C   |
| 7. B  | 14. a) Both have 4 equal sides                          | 19. Hexagon*  | 25. * See page 4                                    |
|   |   | 20. * See page 4  | 26. 4   |
|   |   |   | 27. A and C   |

## 12 – Statistics Revision Exercise

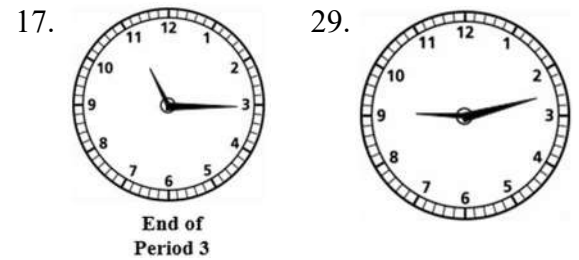
- |              |  |               |                                    |
|--------------|--|---------------|------------------------------------|
| 1. mode      | 9. 7   | 17. 3         | 24. 84 marks                       |
| 2. 46        | 10. 78%                                      | 18. a) 20%    | 25. 94 marks                       |
| 3. Size 6    | 11. 9  | b) 4 students | 26. 90 magazines* See page 4       |
| 4. 36        | 12. 31, 32, 33                               | 19. 44        | 27. a) 190 novels                  |
| 5. 23        | 13. 203                                      | 20. 80        | b) He should discontinue the       |
| 6. 85        | 14. 9  | 21. 114 runs  | sale of fictional books because it |
| 7. 66 kg     | 15. 31                                       | 22. 36        | was the least popular type of      |
| 8. 40 houses | 16. $\text{    } \text{    } \text{  }$ (12) | 23. 13.9      | book, so had the least sales.      |

## Answer Diagrams

### 6 – Area and Perimeter Revision Exercise



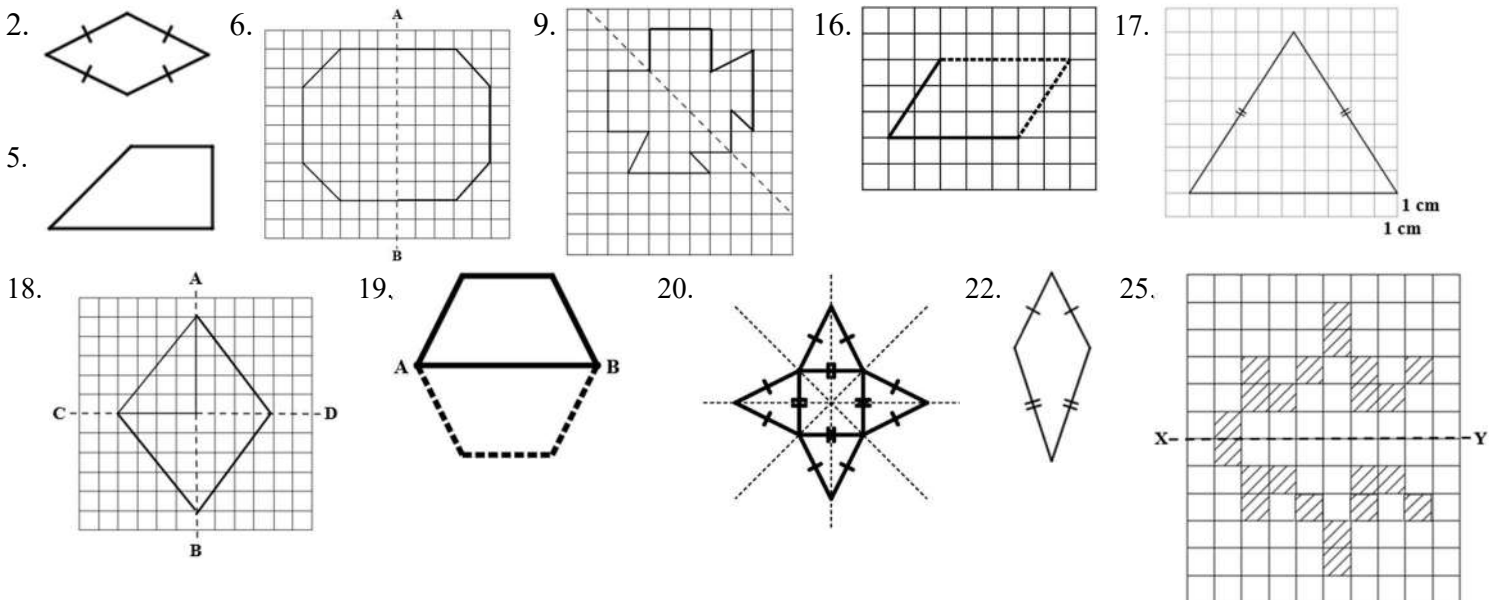
### 8 – Time Revision Exercise



### 10 – Angles Revision Exercise



### 11 – Plane Shapes, Solids and Symmetry Revision Exercise



### 12 – Statistics Revision Exercise

