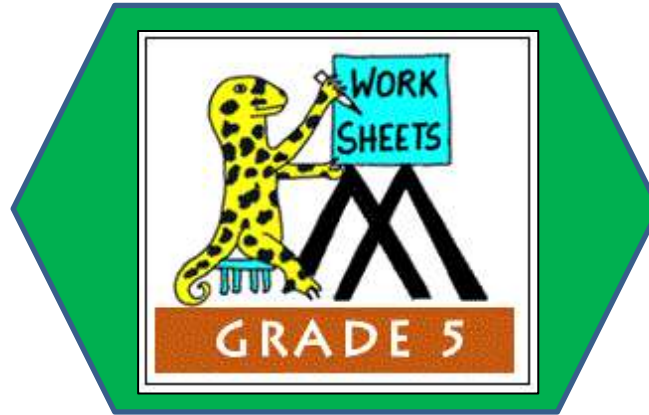


# MATH SALAMANDERS GRADE 5

## MATHS GRAB PACK 1 ANSWERS



Here are answers to all the worksheets in Grade 5 Maths Grab Pack 1.

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Please give us feedback on our pack – both what you liked and what sheets you would like to see more of by leaving a comment on the link below.

<https://www.math-salamanders.com/math-grab-packs.html>



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## COLUMN ADDITION DECIMALS SHEET 1 ANSWERS

$$\begin{array}{r} 1) \quad 1928.27 \\ + \quad 4293.55 \\ \hline 6221.82 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 2094.06 \\ + \quad 1837.75 \\ \hline 3931.81 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 7382.59 \\ + \quad 823.68 \\ \hline 8206.27 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 6308.72 \\ + \quad 1839.8 \\ \hline 8148.52 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 8250.95 \\ + \quad 2839.47 \\ \hline 11090.42 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 8372.8 \\ + \quad 497.49 \\ \hline 8870.29 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 9382.63 \\ + \quad 6308.85 \\ \hline 15691.48 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 3028.29 \\ + \quad 8240.75 \\ \hline 11269.04 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 7385.68 \\ + \quad 8297.9 \\ \hline 15683.58 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 670.138 \\ + \quad 185.372 \\ \hline 855.510 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 139.743 \\ + \quad 382.108 \\ \hline 521.851 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 738.138 \\ + \quad 82.527 \\ \hline 820.665 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 7362.84 \\ + \quad 2831.27 \\ + \quad 1093.35 \\ \hline 11287.46 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 6038.08 \\ + \quad 3942.75 \\ + \quad 1903.24 \\ \hline 11884.07 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 7263.8 \\ + \quad 1980.25 \\ + \quad 328.75 \\ \hline 9572.80 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 368.473 \\ + \quad 129.806 \\ + \quad 255.324 \\ \hline 753.603 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 7380.26 \\ + \quad 582.85 \\ + \quad 1632.09 \\ \hline 9595.2 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 8925.37 \\ + \quad 5248.81 \\ + \quad 794.36 \\ \hline 14968.54 \\ \hline \end{array}$$



# EQUIVALENT FRACTIONS SHEET 2 ANSWERS

## FRACTION STRIPS

1)

|               |               |               |               |
|---------------|---------------|---------------|---------------|
| $\frac{1}{2}$ |               | $\frac{1}{2}$ |               |
| $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ |

$$\frac{1}{2} = \frac{2}{4}$$

2)

|               |               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|---------------|
| $\frac{1}{2}$ |               |               | $\frac{1}{2}$ |               |               |
| $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ |

$$\frac{1}{2} = \frac{3}{6}$$

3)

|               |               |               |
|---------------|---------------|---------------|
| $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ |
| $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ |
| $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ |

$$\frac{1}{3} = \frac{2}{6}$$

4)

|               |               |               |               |
|---------------|---------------|---------------|---------------|
| $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ |
| $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ |
| $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ |

$$\frac{1}{4} = \frac{2}{8}$$

5)

|               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|
| $\frac{1}{5}$ | $\frac{1}{5}$ | $\frac{1}{5}$ | $\frac{1}{5}$ | $\frac{1}{5}$ |
|               |               |               |               |               |

$$\frac{1}{5} = \frac{2}{10}$$

6)

|               |               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|---------------|
| $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6}$ |
|               |               |               |               |               |               |

$$\frac{1}{6} = \frac{2}{12}$$

Now use the fraction strips to answer these questions.

7)  $\frac{2}{2} = \frac{4}{4}$

8)  $\frac{3}{4} = \frac{6}{8}$

9)  $\frac{2}{3} = \frac{4}{6}$

10)  $\frac{2}{5} = \frac{4}{10}$

11)  $\frac{3}{3} = \frac{6}{6}$

12)  $\frac{4}{6} = \frac{8}{12}$

13)  $\frac{4}{5} = \frac{8}{10}$

14)  $\frac{5}{6} = \frac{10}{12}$



## EASTER COLOUR BY NUMBER: CHICK SUBTRACTION TO 20 COMPLETED

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

| KEY          |                |                |
|--------------|----------------|----------------|
| 0 to 3 black | 4 to 7 yellow  | 8 to 10 blue   |
| 11 to 13 red | 14 to 16 green | 17 to 20 white |



## MAKE 10 ANSWERS

Use the numbers in the grid each time.

|     |     |     |     |     |
|-----|-----|-----|-----|-----|
| 3.2 | 1.9 | 5.4 | 0.7 | 2.6 |
| 9.3 | 4.2 | 6.8 | 1.4 | 8.1 |
| 4.6 | 7.4 | 2.9 | 3.5 | 5.8 |

### Challenge 1

Find pairs of numbers that add up to 10.

Try to find 6 different pairs.

$$3.2+6.8 \quad 1.9+8.1 \quad 5.4+4.6 \quad 0.7+9.3 \quad 2.6+7.4$$

$$4.2+5.8$$

### Challenge 2

Try to find sets of 3 numbers that add up to make 10.

Try to find 3 different answers.

$$3.2+4.2+2.6 \quad 4.6+3.5+1.9 \quad 5.8+0.7+3.5$$

$$3.2+1.4+5.4 \quad 1.9+0.7+7.4$$

# EASTER CODEBREAKER 2B ANSWERS

## MULTIPLICATION FACTS TO 10X10

Use the clues to work out the answer to the Easter joke.

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|
| A  | B  | C  | D  | E  | F  | H  | I  | L  | M  | N  | O  | R  | S  | T  | U | Y  | !  |
| 12 | 30 | 49 | 42 | 24 | 48 | 56 | 20 | 40 | 64 | 36 | 64 | 81 | 18 | 28 | 8 | 32 | 14 |

Did you hear what happened to the rabbits  
who went too near the bath?

|        |     |     |     |     |  |     |     |      |     |  |  |
|--------|-----|-----|-----|-----|--|-----|-----|------|-----|--|--|
| Letter | T   | H   | E   | Y   |  | F   | E   | L    | L   |  |  |
| Number | 28  | 56  | 24  | 32  |  | 48  | 24  | 40   | 40  |  |  |
| Fact   | 4x7 | 7x8 | 6x4 | 8x4 |  | 6x8 | 4x6 | 10x4 | 8x5 |  |  |

|        |     |     |  |     |     |     |  |     |     |     |     |
|--------|-----|-----|--|-----|-----|-----|--|-----|-----|-----|-----|
| Letter | I   | N   |  | A   | N   | D   |  | B   | E   | C   | A   |
| Number | 20  | 36  |  | 12  | 36  | 42  |  | 30  | 24  | 49  | 12  |
| Fact   | 5x4 | 4x9 |  | 4x3 | 9x4 | 6x7 |  | 5x6 | 3x8 | 7x7 | 6x2 |

|        |     |     |  |     |     |     |  |     |     |     |     |
|--------|-----|-----|--|-----|-----|-----|--|-----|-----|-----|-----|
| Letter | M   | E   |  | H   | O   | T   |  | C   | R   | O   | S   |
| Number | 64  | 24  |  | 56  | 64  | 28  |  | 49  | 81  | 64  | 18  |
| Fact   | 8x8 | 4x6 |  | 8x7 | 8x8 | 7x4 |  | 7x7 | 9x9 | 8x8 | 3x6 |

|        |     |  |      |     |     |     |     |     |     |     |  |
|--------|-----|--|------|-----|-----|-----|-----|-----|-----|-----|--|
| Letter | S   |  | B    | U   | N   | N   | I   | E   | S   | !   |  |
| Number | 18  |  | 30   | 8   | 36  | 36  | 20  | 24  | 18  | 14  |  |
| Fact   | 9x2 |  | 10x3 | 2x4 | 4x9 | 6x6 | 4x5 | 8x3 | 2x9 | 7x2 |  |



# NUMBER FILL IN PUZZLE 2 ANSWERS

|   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 |   | 8 |   | 9 | 3 | 2 | 0 | 5 |   |   | 1 |
| 2 | 7 | 0 | 5 | 4 |   | 0 |   | 3 | 1 | 6 | 5 |
| 4 |   | 2 |   | 2 |   | 1 |   | 4 |   |   | 9 |
| 1 |   | 3 | 1 | 6 | 4 | 8 |   | 6 |   |   | 7 |
| 7 |   |   | 4 |   | 6 |   | 3 | 2 | 1 | 4 | 2 |
| 9 | 7 | 1 | 3 | 0 | 2 |   | 6 |   |   | 3 |   |
|   | 0 |   |   |   | 9 | 4 | 8 | 7 |   | 8 |   |
| 3 | 6 | 4 | 8 |   |   | 5 |   |   | 5 | 2 | 7 |
|   | 5 |   | 6 | 4 | 2 | 1 | 7 |   | 2 |   | 9 |
| 2 |   |   | 0 |   | 9 |   | 0 |   | 8 |   | 3 |
| 6 | 2 | 7 | 1 |   | 3 |   | 2 | 3 | 7 | 8 | 1 |
| 5 |   |   | 5 | 8 | 4 |   |   |   | 6 |   |   |

| 3 DIGITS | 4 DIGITS |      | 5 DIGITS         |       | 6 DIGITS          |
|----------|----------|------|------------------|-------|-------------------|
| 143      | 2018     | 6271 | 15972            | 52876 | <del>324179</del> |
| 265      | 2934     | 7065 | <del>23781</del> | 53462 | 971302            |
| 368      | 3165     | 7931 | 27054            | 64217 |                   |
| 451      | 3648     | 8023 | 31648            | 86015 |                   |
| 527      | 4382     | 9426 | 32142            | 93205 |                   |
| 584      | 4629     | 9487 |                  |       |                   |
| 702      |          |      |                  |       |                   |



## 1.. 2.. 3.. 4.. CHALLENGE ANSWERS

Use each of the digits 1, 2, 3 and 4 once in each calculation to make numbers from 1 to 20. Remember to use brackets!

There are several ways that you can make most of the numbers below. We have included an example for each number.

|                        |      |                             |      |
|------------------------|------|-----------------------------|------|
| $3 + 2 - 4 \times 1$   | = 1  | $4 \times 2 + 3 \times 1$   | = 11 |
| $3 + 2 + 1 - 4$        | = 2  | $(4 + 3 - 1) \times 2$      | = 12 |
| $4 + 2 - 3 \times 1$   | = 3  | $(4 + 3) \times 2 - 1$      | = 13 |
| $4 + 3 - 2 - 1$        | = 4  | $4 \times 3 + 2 \times 1$   | = 14 |
| $4 + 3 - 2 \times 1$   | = 5  | $(4 + 2 - 1) \times 3$      | = 15 |
| $4 + 3 + 1 - 2$        | = 6  | $(4 + 3 + 1) \times 2$      | = 16 |
| $(4 - 2) \times 3 + 1$ | = 7  | $(4 + 2) \times 3 - 1$      | = 17 |
| $4 + 3 + 2 - 1$        | = 8  | $(4 \times 1 + 2) \times 3$ | = 18 |
| $3 \times 4 - 2 - 1$   | = 9  | $(4 + 2) \times 3 + 1$      | = 19 |
| $4 \times 2 + 3 - 1$   | = 10 | $(3 \times 1 + 2) \times 4$ | = 20 |

### Extension:

|                                |      |                             |      |
|--------------------------------|------|-----------------------------|------|
| $(3 + 2) \times 4 + 1$         | = 21 | $(4 \times 3 + 1) \times 2$ | = 26 |
| $(4 \times 3 - 1) \times 2$    | = 22 | $(4 \times 2 + 1) \times 3$ | = 27 |
| $4 \times 3 \times 2 - 1$      | = 23 | $(3 \times 2 + 1) \times 4$ | = 28 |
| $4 \times 3 \times 2 \times 1$ | = 24 | <u>impossible</u>           | = 29 |
| $(4 + 1) \times (3 + 2)$       | = 25 | $(4 + 1) \times 3 \times 2$ | = 30 |

If you are allowed to combine digits, then you can make 29 using  $32 - 4 + 1$



## READING AND WRITING BIG NUMBERS

### CHALLENGE 1 ANSWERS

Twenty-four thousand, thirty-six **24,036**

One hundred ninety-four thousand, five hundred eight **194,508**

Six million, one hundred three thousand, two hundred forty-nine **6,103,249**

Fifty thousand, eight hundred ninety-four **50,894**

~~Three hundred twenty-nine thousand, one hundred one~~ **329,101**

Nine hundred twenty thousand, forty-five **920,045**

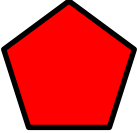
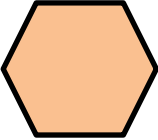
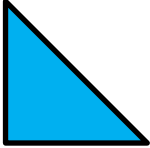

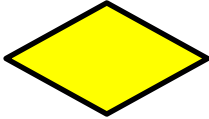
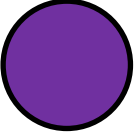
Seven hundred five thousand, two hundred forty-eight **705,248**

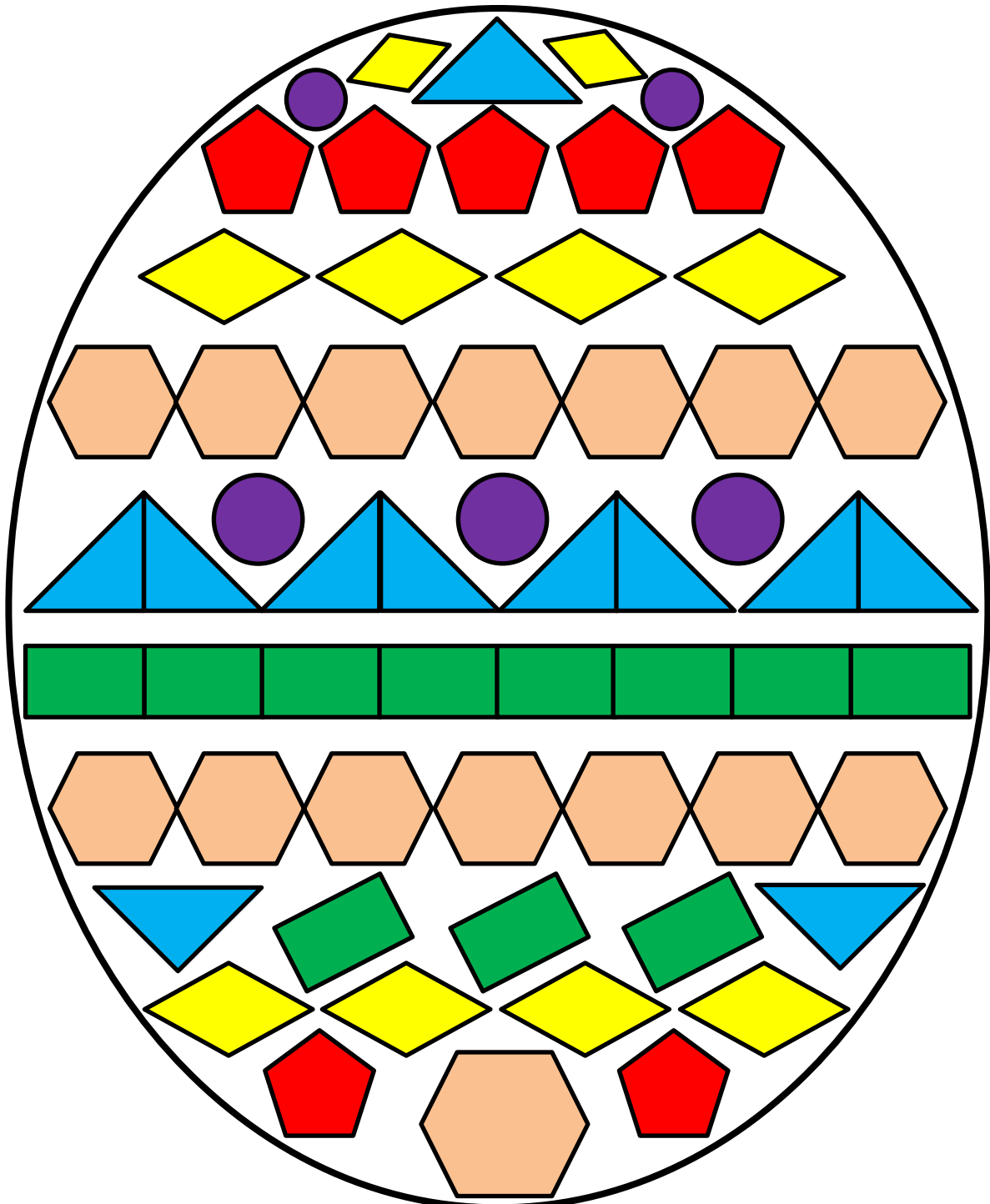
|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| 3 | 2 | 9 | 1 | 0 | 1 |   |   |
|   | 4 |   |   |   |   |   |   |
| 5 | 0 | 8 | 9 | 4 |   | 1 |   |
|   | 3 |   | 2 |   |   | 9 |   |
|   | 6 | 1 | 0 | 3 | 2 | 4 | 9 |
|   |   |   | 0 |   |   | 5 |   |
|   |   |   | 4 |   |   | 0 |   |
|   | 7 | 0 | 5 | 2 | 4 | 8 |   |

| ORDERING |           |
|----------|-----------|
| biggest  | 6,103,249 |
|          | 920,045   |
|          | 705,248   |
|          | 329,101   |
|          | 194,508   |
|          | 50,894    |
| smallest | 24,036    |

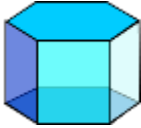


# EASTER EGG SHAPE COLOUR IN 2 COMPLETED

| Red   | Pink  | Blue  | Green  | Yellow  | Purple  |
|---|---|---|--|---|---|
|  |  |  |  |  |  |



# MENTAL MATHS QUIZ 6:1 ANSWERS

|     |  |  |
|-----|--|--|
| 1)  | $20 + 0.6 + 0.02$  | <b>20.62</b>   |
| 2)  | $360 \div 4$   | <b>90</b>  |
| 3)  | How many edges?                                      | <b>18</b>  |
| 4)  | I have a litre bottle of cola. I drink 650ml. How much is left?  | <b>350ml</b>   |
| 5)  | Which two numbers have a sum of 15 and a product of 36?  | <b>3 and 12</b>  |
| 6)  | How many pints make 6 gallons? ( <i>8 pints make a gallon</i> )  | <b>48</b>  |
| 7)  | $4 \frac{1}{3} - 1 \frac{2}{3}$  | <b><math>2 \frac{2}{3}</math></b>                            |
| 8)  | Write down all the factors of 33. _____  | <b>1 3 11 33</b>   |
| 9)  | Which of these numbers is <b>not</b> a multiple of 3?<br>81 111 73 27 105  | <b>73</b>  |
| 10) | Flight time from Houston to Orlando is 2 hours to 20 minutes. I arrive at Orlando at 4:15pm. What time did I set off?                  | <b>1:55pm</b>  |
| 11) | What is $\frac{3}{4}$ of 20m?  | <b>15m</b>   |
| 12) | What is the value of $3(x - 6)$ when $x = 11$ ?  | <b>15</b>  |
| 13) | At a wildlife centre, adult entry is \$12 and child entry is \$8. I pay for 2 adults and 3 children with a \$50 note. How much change? | <b>\$2</b>   |
| 14) | The time is a quarter to 7 in the evening. Write this in 24 clock time.  | <b>18:45</b>   |
| 15) | A kid's skipping rope is 210 cm long. How many ropes could I cut from a 10-metre-long piece of rope?                                   | <b>4</b>   |
| 16) | Number cards from 1 to 10 are placed in a bag. Flame chooses a card at random. What is the chance that it is a multiple of 4?          | <b><math>\frac{2}{10}</math> or <math>\frac{1}{5}</math></b> |
| 17) | Write down all the <b>prime</b> numbers between 10 and 20.   | <b>11, 13, 17, 19</b>  |
| 18) | How many thirds make 5?  | <b>15</b>  |

