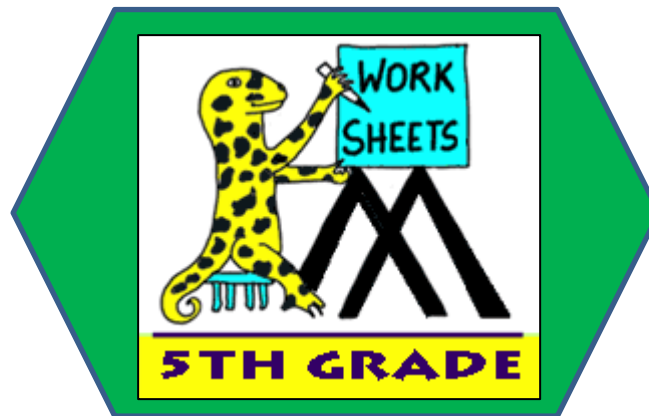


# MATH SALAMANDERS 5TH GRADE MATH GRAB PACK 5 ANSWERS



Here are answers to all the worksheets in 5th Grade Math Grab Pack 5.

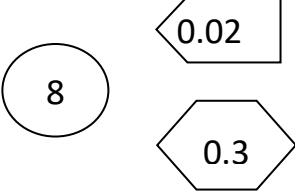
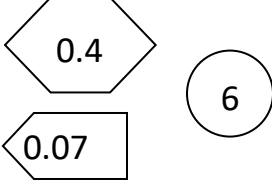
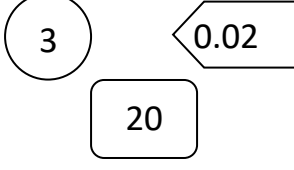
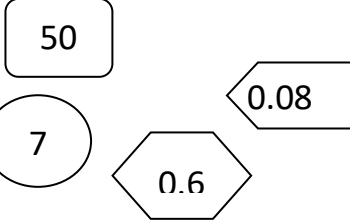
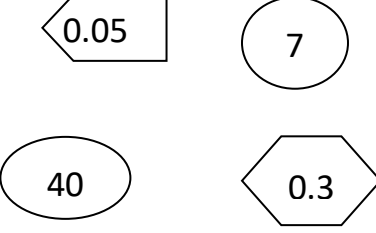
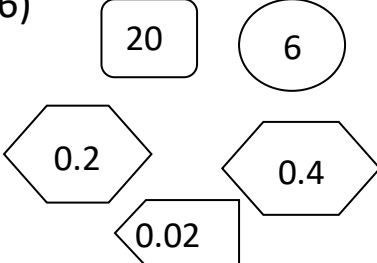
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Please give us feedback on our pack – both what you liked and what sheets you would like to see more of by leaving a comment on the link below.

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



## PLACE VALUE: TENTHS & HUNDREDTHS SHEET 2 ANSWERS

1) 	2) 	3) 
How many? <u>8.32</u>	How many? <u>6.47</u>	How many? <u>23.02</u>
4) 	5) 	6) 
How many? <u>57.68</u>	How many? <u>47.35</u>	How many? <u>26.62</u>
7) 6 ONES + 2 TENTHS + 4 HUNDREDTHS	8) 7 ONES + 3 TENTHS 5 HUNDREDTHS	9) 7 TENTHS + 4 HUNDREDTHS
How many? <u>6.24</u>	How many? <u>7.35</u>	How many? <u>0.74</u>
10) 8 ONES + 2 TENTHS + 5 HUNDREDTHS	11) 4 TENS + 7 ONES + 2 HUNDREDTHS	12) 1 ONE + 9 TENTHS + 4 HUNDREDTHS
How many? <u>8.25</u>	How many? <u>47.02</u>	How many? <u>1.94</u>
13) 6 TENTHS + 1 ONE + 5 HUNDREDTHS	14) 4 TENTHS + 2 ONES + 6 HUNDREDTHS	15) 9 HUNDREDTHS + 3 ONES + 3 TENTHS
How many? <u>1.65</u>	How many? <u>2.46</u>	How many? <u>3.39</u>
16) 2 TENTHS + 3 ONES + 7 HUNDREDTHS	17) 9 HUNDREDTHS + 5 TENTHS	18) 2 HUNDREDTHS + 7 ONES
How many? <u>3.27</u>	How many? <u>0.59</u>	How many? <u>7.02</u>



## ROUNDING UP TO 2 DECIMAL PLACES SHEET 1 ANSWERS

*Round these numbers to the nearest whole*

- |           |   |           |           |   |           |           |   |            |
|-----------|---|-----------|-----------|---|-----------|-----------|---|------------|
| 1) 3.94   | → | <u>4</u>  | 2) 12.14  | → | <u>12</u> | 3) 23.2   | → | <u>23</u>  |
| 4) 15.26  | → | <u>15</u> | 5) 14.52  | → | <u>15</u> | 6) 12.38  | → | <u>12</u>  |
| 7) 90.82  | → | <u>91</u> | 8) 24.59  | → | <u>25</u> | 9) 63.08  | → | <u>63</u>  |
| 10) 29.51 | → | <u>30</u> | 11) 38.74 | → | <u>39</u> | 12) 118.4 | → | <u>118</u> |

*Round these numbers to the nearest tenth*

- |           |   |             |           |   |             |           |   |             |
|-----------|---|-------------|-----------|---|-------------|-----------|---|-------------|
| 1) 4.83   | → | <u>4.8</u>  | 2) 1.94   | → | <u>1.9</u>  | 3) 15.28  | → | <u>15.3</u> |
| 4) 19.31  | → | <u>19.3</u> | 5) 3.97   | → | <u>4.0</u>  | 6) 0.74   | → | <u>0.7</u>  |
| 7) 7.016  | → | <u>7.0</u>  | 8) 19.372 | → | <u>19.4</u> | 9) 90.024 | → | <u>90.0</u> |
| 10) 83.23 | → | <u>83.2</u> | 11) 9.567 | → | <u>9.6</u>  | 12) 0.417 | → | <u>0.4</u>  |

*Round these numbers to 2dp*

- |            |   |              |           |   |             |            |   |              |
|------------|---|--------------|-----------|---|-------------|------------|---|--------------|
| 1) 1.174   | → | <u>1.17</u>  | 2) 5.029  | → | <u>5.03</u> | 3) 0.017   | → | <u>0.02</u>  |
| 4) 15.264  | → | <u>15.26</u> | 5) 3.996  | → | <u>4.00</u> | 6) 1.083   | → | <u>1.08</u>  |
| 7) 24.361  | → | <u>24.36</u> | 8) 0.9017 | → | <u>0.90</u> | 9) 2.818   | → | <u>2.82</u>  |
| 10) 4.617  | → | <u>4.62</u>  | 11) 6.301 | → | <u>6.30</u> | 12) 0.0752 | → | <u>0.08</u>  |
| 13) 1.2837 | → | <u>1.28</u>  | 14) 8.295 | → | <u>8.30</u> | 15) 14.004 | → | <u>14.00</u> |



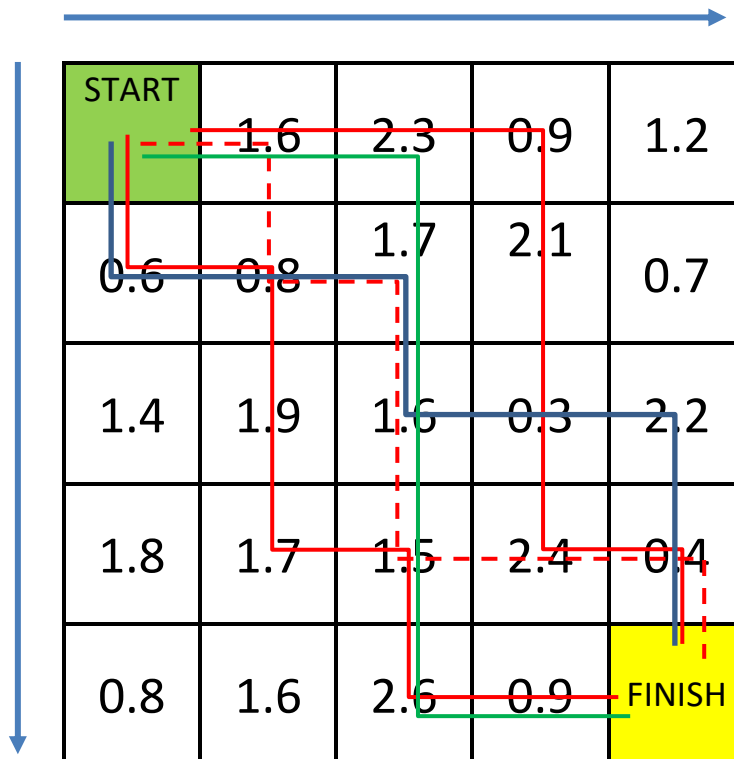
## NUMBER GRID CHALLENGE 5: TARGET 10 ANSWERS

Start the maze with zero.

You have to finish the maze with a total of 10.

Your route can go **right** or **down** at each turn.

There are 3 possible routes. Can you find them?



### Extra Challenge

Find the route with the highest total. Highest total 12.2 (Green route)

Find the route with the lowest total. Lowest total 7.6 (Blue route)

## PEMDAS CHALLENGES 5:2 - MAKE 64 ANSWERS

There may be more than one solution to each challenge due to the commutative property of addition and multiplication.

Your challenge is to place the digits in the correct place to make an answer of 64 each time.

### CHALLENGE A:

Use the digits 12, 8 and 4

$$\underline{8} \times (\underline{12} - \underline{4}) = 64$$

### CHALLENGE B:

Use the digits 4, 7 and 9

$$(\underline{9} + \underline{7}) \times \underline{4} = 64$$

### CHALLENGE C:

Use the digits 4, 3, 8 and 10

$$\underline{4} \times \underline{10} + \underline{3} \times \underline{8} = 64$$

### CHALLENGE D:

Use the digits 2, 6, 12, 16

$$\underline{12} \times \underline{6} - \underline{16} \div \underline{2} = 64$$

## FIND SIMPLE PERCENTAGES SHEET 1 ANSWERS

### A) 50% and 100%

- 1) 50% of 14 = **7**    2) 50% of 60 = **30**    3) 100% of 12 = **12**  
4) 50% of 24 = **12**    5) 100% of 25 = **25**    6) 50% of 18 = **9**  
7) 100% of 17 = **17**    8) 50% of 40 = **20**    9) 50% of 80 = **40**  
10) 50% of 50 = **25**    11) 100% of 64 = **64**    12) 50% of 38 = **19**

### B) 1% and 10%

- 1) 10% of 70 = **7**    2) 10% of 30 = **3**    3) 1% of 400 = **4**  
4) 10% of 30 = **3**    5) 1% of 500 = **5**    6) 10% of 120 = **12**  
7) 10% of 400 = **40**    8) 1% of 1200 = **12**    9) 1% of 3800 = **38**  
10) 10% of 500 = **50**    11) 10% of 180 = **18**    12) 1% of 1800 = **18**

### C) 1%, 10%, 50% and 100%

- 1) 50% of 40 = **20**    2) 1% of 700 = **7**    3) 10% of 140 = **14**  
4) 100% of 80 = **80**    5) 10% of 320 = **32**    6) 50% of 160 = **80**  
7) 1% of 900 = **9**    8) 50% of 72 = **36**    9) 10% of 900 = **90**  
10) 10% of 320 = **32**    11) 1% of 5300 = **53**    12) 100% of 120 = **120**  
13) 50% of 240 = **120**    14) 1% of 2700 = **27**    15) 10% of 800 = **80**

# FRACTION RIDDLES 4C ANSWERS

## CHALLENGE 1

- I am not equivalent to  $\frac{1}{4}$ .
- My value is less than a half.
- My value is not the same as a third.
- My denominator is even.

Who am I? Answer: D)  $\frac{3}{10}$

A $\frac{2}{9}$	B $\frac{4}{6}$	C $\frac{3}{9}$	D $\frac{3}{10}$
E $\frac{2}{6}$	F $\frac{6}{10}$	G $\frac{5}{8}$	H $\frac{2}{8}$

## CHALLENGE 2

- My value is greater than or equal to a third.
- My denominator is even.
- My numerator is greater than half of my denominator.
- When you add me to  $\frac{2}{5}$ , you get a whole.

Who am I? Answer: F)  $\frac{6}{10}$



## COUNTING ON BY DECIMALS SHEET 1 ANSWERS

1) Count on by 0.2s

0.2	<u>0.4</u>	0.6	0.8	<u>1</u>	<u>1.2</u>	1.4	<u>1.6</u>
-----	------------	-----	-----	----------	------------	-----	------------

2) Count on by 0.1s

1.7	1.8	<u>1.9</u>	<u>2</u>	2.1	<u>2.2</u>	<u>2.3</u>	2.4
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3) Count on by 0.3s

1.0	1.3	<u>1.6</u>	1.9	<u>2.2</u>	<u>2.5</u>	2.8	<u>3.1</u>
-----	-----	------------	-----	------------	------------	-----	------------

4) Count on by 0.5s

3.0	3.5	<u>4</u>	<u>4.5</u>	5	<u>5.5</u>	<u>6</u>	6.5
-----	-----	----------	------------	---	------------	----------	-----

5) Count on by 0.4s

0.3	0.7	<u>1.1</u>	1.5	<u>1.9</u>	2.3	<u>2.7</u>	3.1
-----	-----	------------	-----	------------	-----	------------	-----

6) Count on by 0.7s

0.7	1.4	<u>2.1</u>	<u>2.8</u>	3.5	<u>4.2</u>	4.9	<u>5.6</u>
-----	-----	------------	------------	-----	------------	-----	------------

7) Count on by 0.9s

0.9	<u>1.8</u>	2.7	3.6	<u>4.5</u>	<u>5.4</u>	<u>6.3</u>	7.2
-----	------------	-----	-----	------------	------------	------------	-----

8) Count on by 0.6s

2	2.6	<u>3.2</u>	3.8	<u>4.4</u>	5	<u>5.6</u>	6.2
---	-----	------------	-----	------------	---	------------	-----

9) Count on by 0.8s

0.8	1.6	<u>2.4</u>	3.2	<u>4</u>	4.8	<u>5.6</u>	6.4
-----	-----	------------	-----	----------	-----	------------	-----



## MULTIPLICATION & DIVISION RELATED FACTS

### DECIMALS TO 1 DECIMAL PLACE SHEET 1 ANSWERS

3	0.5	1.5
---	-----	-----

1)	<u><math>3 \times 0.5 = 1.5</math></u>	<u><math>1.5 \div 3 = 0.5</math></u>
2)	<u><math>0.5 \times 3 = 1.5</math></u>	<u><math>1.5 \div 0.5 = 3</math></u>

1.8	0.9	2
-----	-----	---

1)	<u><math>2 \times 0.9 = 1.8</math></u>	<u><math>1.8 \div 0.9 = 2</math></u>
2)	<u><math>0.9 \times 2 = 1.8</math></u>	<u><math>1.8 \div 2 = 0.9</math></u>

0.8	3.2	4
-----	-----	---

1)	<u><math>4 \times 0.8 = 3.2</math></u>	<u><math>3.2 \div 4 = 0.8</math></u>
2)	<u><math>0.8 \times 4 = 3.2</math></u>	<u><math>3.2 \div 0.8 = 4</math></u>

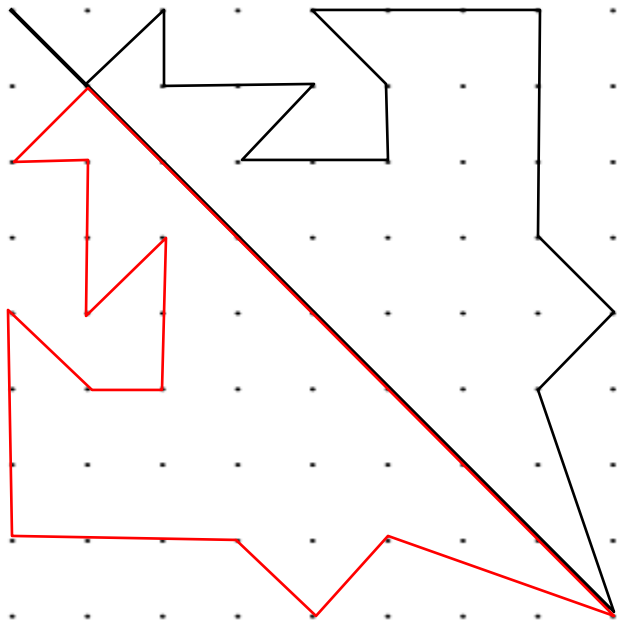
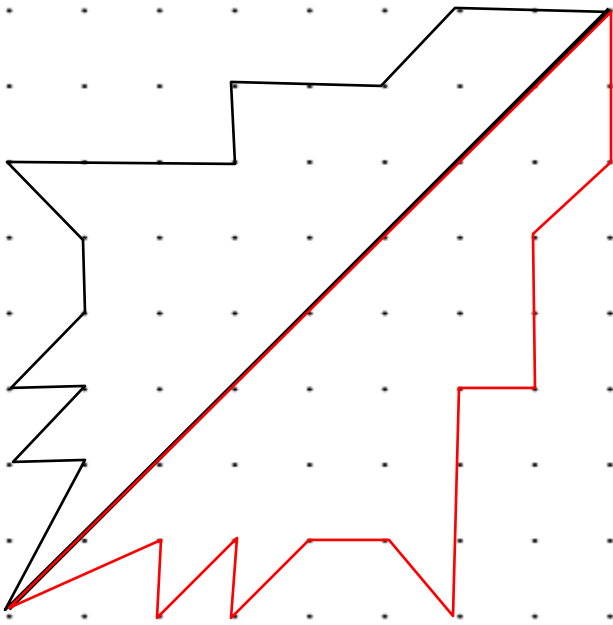
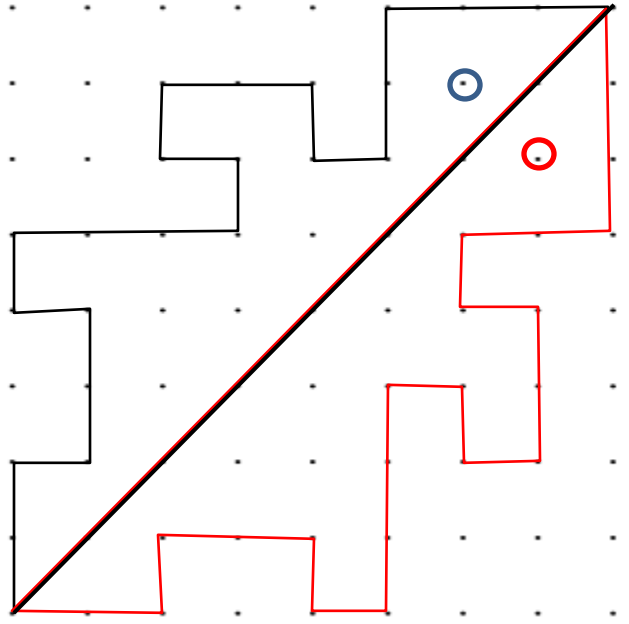
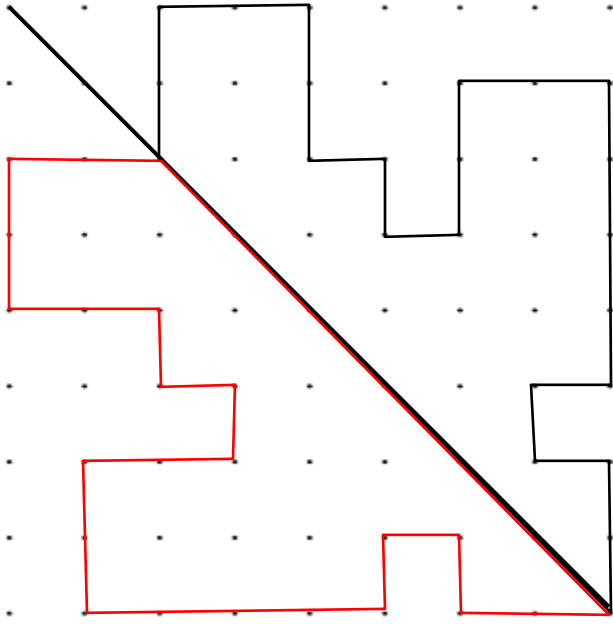
4.8	12	0.4
-----	----	-----

1)	<u><math>0.4 \times 12 = 4.8</math></u>	<u><math>4.8 \div 0.4 = 12</math></u>
2)	<u><math>12 \times 0.4 = 4.8</math></u>	<u><math>4.8 \div 12 = 0.4</math></u>

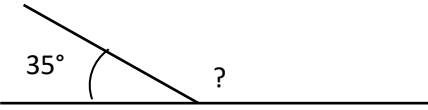
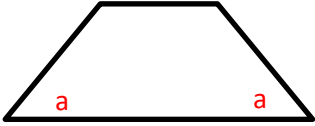


# LINE SYMMETRY SHEET 10 ANSWERS

Complete the missing half of each of the shapes using the mirror lines.



# MENTAL MATH QUIZ 5:5 ANSWERS

1)	$0.35 + 0.6 + \underline{\quad} = 1$	<b>0.05</b>
2)	$\frac{3}{4}$ of 24	<b>18</b>
3)	Which of these numbers is not a multiple of 4? 36 62 28 52 72 88	<b>62</b>
4)	If $x = 5$ , what is the value of $(2x + 8)/3$	<b>6</b>
5)	Add up all the odd numbers between 20 and 26.	<b>21+23+25=69</b>
6)	Solve $2x = 12$	<b><math>x = 6</math></b>
7)	The perimeter of a rectangle is 12 feet. The area is 5 square feet. What is the length of the sides?	<b>1 ft and 5 ft</b>
8)	Write down all the prime numbers between 30 and 40.	<b>31, 37</b>
9)	What is the missing angle? 	<b>145°</b>
10)	A scale model of a motorbike is made with a ratio of 1:40. The length on the scale model is 6cm. How long is the actual motorbike?	<b>2.4m or 240 cm</b>
11)	$1625 \div 100$	<b>16.25</b>
12)	Sally sells 30 raffle tickets and makes \$18. How much did she sell each ticket for?	<b>60¢</b>
13)	$52.76 = 52 + 0.7 + \underline{\quad}$	<b>0.06</b>
14)	Convert $1\frac{7}{6}$ to a mixed number.	<b><math>2\frac{5}{6}</math></b>
15)	Write 'a' on each acute angle. How many are there? 	<b>2 acute angles</b>
16)	The time is 7:25pm. What is the 24-hour clock time?	<b>19:25</b>
17)	$\frac{1}{5} + \frac{1}{4}$	<b><math>\frac{9}{20}</math></b>
18)	A husky runs at 28 miles per hour for 30 minutes. How far has it run?	<b>14 miles</b>

