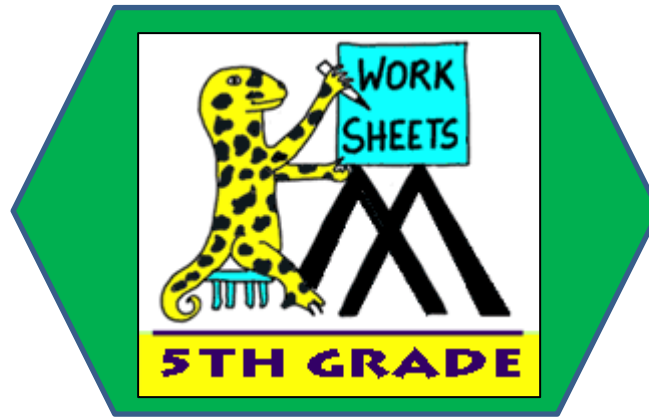


MATH SALAMANDERS 5TH GRADE MATH GRAB PACK 6 ANSWERS



Here are answers to all the worksheets in 5th Grade Math Grab Pack 6.

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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.

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PLACE VALUE TO 1 MILLION SHEET 2 ANSWERS

1) Write the place value of the underlined digit under each of the numbers.

8 <u>2</u> ,163	<u>4</u> 6,375	327, <u>1</u> 86	4 <u>1</u> 2,846	84, <u>7</u> 16
<u>2,000</u>	<u>40,000</u>	<u>80</u>	<u>10,000</u>	<u>700</u>

7 <u>6</u> 1,489	<u>4</u> 12,685	4 <u>9</u> ,321	3 <u>8</u> 5,029	<u>6</u> 37,958
<u>1,000</u>	<u>400,000</u>	<u>9,000</u>	<u>80,000</u>	<u>600,000</u>

2) Write these numbers in expanded form.

$$\begin{aligned}
 84,136 &= 80,000 + 4,000 + 100 + 30 + 6 \\
 137,295 &= \underline{100,000 + 30,000 + 7,000 + 200 + 90 + 5} \\
 67,329 &= \underline{60,000 + 7,000 + 300 + 20 + 9} \\
 894,326 &= \underline{800,000 + 90,000 + 4,000 + 300 + 20 + 6}
 \end{aligned}$$

3) Write these numbers in standard form.

$$\begin{aligned}
 20,000 + 7,000 + 800 + 20 + 4 &= 27,824 \\
 80,000 + 4,000 + 900 + 10 + 6 &= \underline{84,916} \\
 200,000 + 90,000 + 5,000 + 200 + 30 + 8 &= \underline{295,238} \\
 800,000 + 7,000 + 300 + 50 + 6 &= \underline{807,356} \\
 500,000 + 30,000 + 800 + 40 + 2 &= \underline{530,842}
 \end{aligned}$$

4) Fill in the missing parts in these numbers

$$\begin{aligned}
 45,372 &= \underline{45} \text{ thousands} & \underline{3} \text{ hundreds} & \underline{7} \text{ tens} & \underline{2} \text{ ones} \\
 176,437 &= \underline{176} \text{ thousands} & \underline{4} \text{ hundreds} & \underline{3} \text{ tens} & \underline{7} \text{ ones} \\
 962,508 &= \underline{962} \text{ thousands} & \underline{5} \text{ hundreds} & \underline{0} \text{ tens} & \underline{8} \text{ ones}
 \end{aligned}$$

USING PARENTHESES SHEET 5:1 ANSWERS

1) $3 + (4 \times 5) = 3 + 20 = 23$

2) $(5 + 4) \times 3 = 9 \times 3 = 27$

3) $7 \times (5 - 2) = 7 \times 3 = 21$

4) $(9 - 6) \times 8 = 3 \times 8 = 24$

5) $(20 \div 4) + 8 = 5 + 8 = 13$

6) $17 - (35 \div 5) = 17 - 7 = 10$

7) $(7 \times 3) - (2 \times 4) = 21 - 8 = 13$

8) $14 - (3 \times 5) = 14 - 15 = -1$

9) $(40 \div 5) + (3 \times 9) = 8 + 27 = 35$

10) $(7 - 4) \times 12 = 3 \times 12 = 36$

Harder section - you may need a calculator for these!

11) $2.5 - (0.7 \times 2) = 2.5 - 1.4 = 1.1$

12) $(4.5 \times 3) - 12 = 13.5 - 12 = 1.5$

13) $6 - (1.7 \times 3) = 6 - 5.1 = 0.9$

14) $(4.2 \div 6) + 0.9 = 0.7 + 0.9 = 1.6$

15) $200 - (14.5 \times 6) = 200 - 87 = 113$

16) $78 \div (3.75 \times 8) = 78 \div 30 = 2.6$

Put these 3 calculations in order, smallest first:

$85 - (17 \times 3) = 34$

$200 \div (3.7 + 6.3) = 20$

$(4.5 \times 3) + (30 \div 4) = 21$

$200 \div (3.7 + 6.3)$

Smallest

$(4.5 \times 3) + (30 \div 4)$

$85 - (17 \times 3)$

















Largest



CAPTAIN'S SQUARE PUZZLE 5 ANSWERS

Each salamander is worth a different value between 0.1 and 0.9.

The total of each vertical line of salamanders is worked out for you.

= 2.4

= 2.3

= 2

= 1.9

How much is each salamander worth?



0.6



0.8



0.5



0.4



FRACTION RIDDLES 5A ANSWERS

CHALLENGE 1

- I am greater than 1.
- I am less than 2.
- I am an improper fraction.
- I am closer to 2 than to 1.

Who am I? Answer: D) $\frac{7}{4}$

A $\frac{8}{6}$	B $1\frac{2}{3}$	C $\frac{9}{2}$	D $\frac{7}{4}$
E $\frac{3}{9}$	F $2\frac{3}{8}$	G $\frac{8}{10}$	H $1\frac{4}{5}$

CHALLENGE 2

- I am more than a half but less than 6 halves.
- If you round me to the nearest whole, you get 2.
- I am not an improper fraction.
- I am a third away from being a whole number.

Who am I? Answer: B) $1\frac{2}{3}$



FIND SIMPLE PERCENTAGES SHEET 2 ANSWERS

A) 50% and 100%

- 1) 50% of 28 = **14** 2) 100% of 326 = **326** 3) 50% of 76 = **38**
 4) 100% of 78 = **78** 5) 50% of 126 = **63** 6) 100% of 3.6 = **3.6**
 7) 50% of 13 = **6.5** 8) 50% of 460 = **230** 9) 100% of 417 = **417**
 10) 50% of 134 = **67** 11) 100% of 1.8 = **1.8** 12) 50% of 580 = **290**

B) 1% and 10%

- 1) 10% of 37 = **3.7** 2) 1% of 625 = **6.25** 3) 10% of 83 = **8.3**
 4) 1% of 86 = **0.86** 5) 10% of 327 = **32.7** 6) 1% of 180 = **1.8**
 7) 1% of 835 = **8.35** 8) 10% of 690 = **69** 9) 10% of 6 = **0.6**
 10) 1% of 38 = **0.38** 11) 10% of 42 = **4.2** 12) 1% of 429 = **4.29**

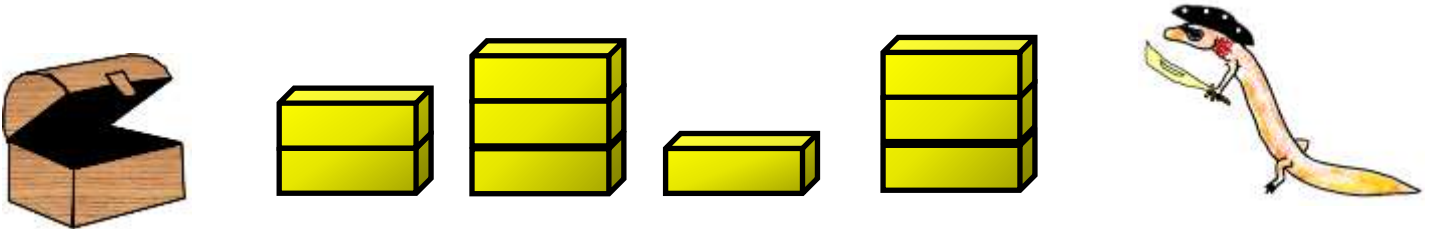
C) 1%, 10%, 50% and 100%

- 1) 50% of 34 = **17** 2) 100% of 6.4 = **6.4** 3) 10% of 62 = **6.2**
 4) 1% of 321 = **3.21** 5) 10% of 585 = **58.5** 6) 50% of 8.6 = **4.3**
 7) 50% of 158 = **79** 8) 1% of 609 = **6.09** 9) 50% of 624 = **312**
 10) 100% of 57 = **57** 11) 50% of 19 = **9.5** 12) 1% of 530 = **5.3**
 13) 50% of 630 = **315** 14) 1% of 483 = **4.83** 15) 10% of 371 = **37.1**



SHARE THE TREASURE 5 ANSWERS

- Captain Salamander and his crew have found some bars of gold.
- The captain decides that he is going to share all the treasure out.
- He puts $\frac{1}{4}$ of the treasure to aside for himself.
- He gives $\frac{1}{2}$ of what is left to his friend Bill.
- He shares $\frac{2}{3}$ of the remaining treasure equally between the rest of the crew.
- He buries the remaining 3 bars on a secret island.
- How many bars did the pirates have?
- *Hint: using fraction strips might help you to solve this problem!*



Captain's bars ($\frac{1}{4}$)			
	Bill ($\frac{1}{2}$)		
		Crew ($\frac{1}{3}$)	Crew ($\frac{1}{3}$)
			3 bars left

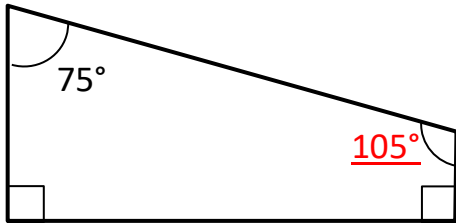
- These fraction strips show that the crew must get 6 bars, as there are 3 equal sized parts in their strip.
- This means that the remaining part of Bill's strip must be worth 9 bars. Therefore Bill should receive 9 bars.
- This means that the remaining 3 parts of the Captain's strip must be worth 18 bars. Therefore each of the parts in the Captain's strip must be worth 6 bars. The Captain must get 6 bars, as he gets one part of the strip.
- So the Captain gets 6 bars of gold. Bill gets 9 bars of gold. The crew get 6 bars of gold, and 3 bars get buried. The total number of bars is 24.



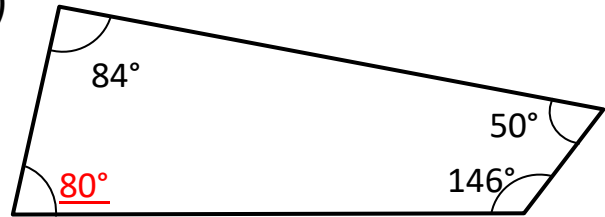
ANGLES IN A QUADRILATERAL 1 ANSWERS

Find the value of each angle marked with a “?”

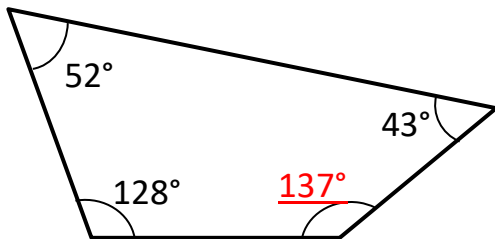
1)



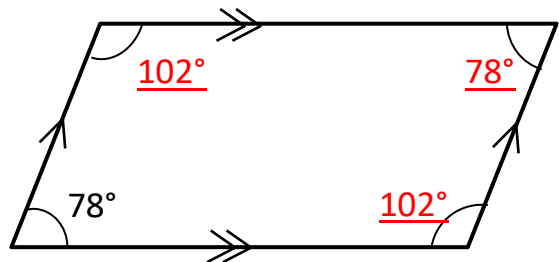
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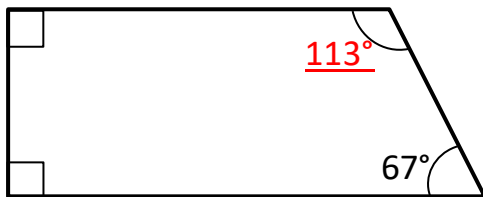
3)



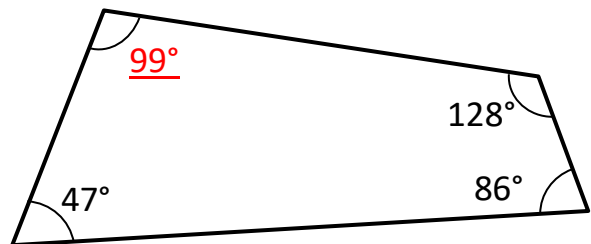
4)



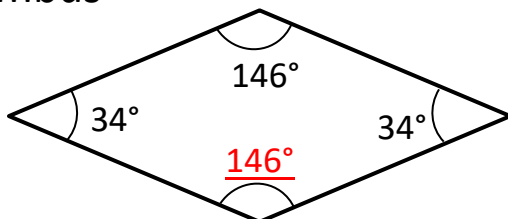
5)



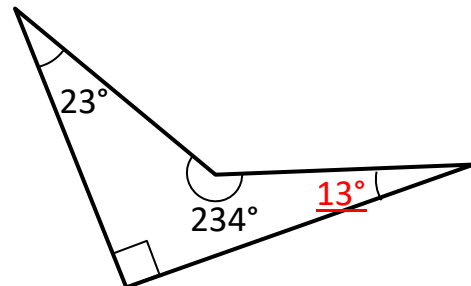
6)



7) A rhombus



8)



TOTAL PRODUCT PUZZLE 4B ANSWERS

Note: the numbers in the hexagons give the same answers when their positions are reversed.

<p>9</p> <p><u>18</u> + 9 = 81</p> <p>9</p>	<p>7</p> <p>18 + <u>11</u> = <u>77</u></p> <p><u>11</u></p>	<p><u>22</u></p> <p>32 + 10 = <u>220</u></p> <p>10</p>
<p><u>6</u></p> <p>13 + 7 = 42</p> <p><u>7</u></p>	<p><u>12</u></p> <p>15 + 3 = 36</p> <p><u>3</u></p>	<p><u>8</u></p> <p>11 + 3 = 24</p> <p><u>3</u></p>
<p>80</p> <p><u>84</u> + 4 = 320</p> <p><u>4</u></p>	<p><u>20</u></p> <p>24 + 4 = 80</p> <p><u>4</u></p>	<p>3</p> <p><u>93</u> + 90 = 270</p> <p><u>90</u></p>

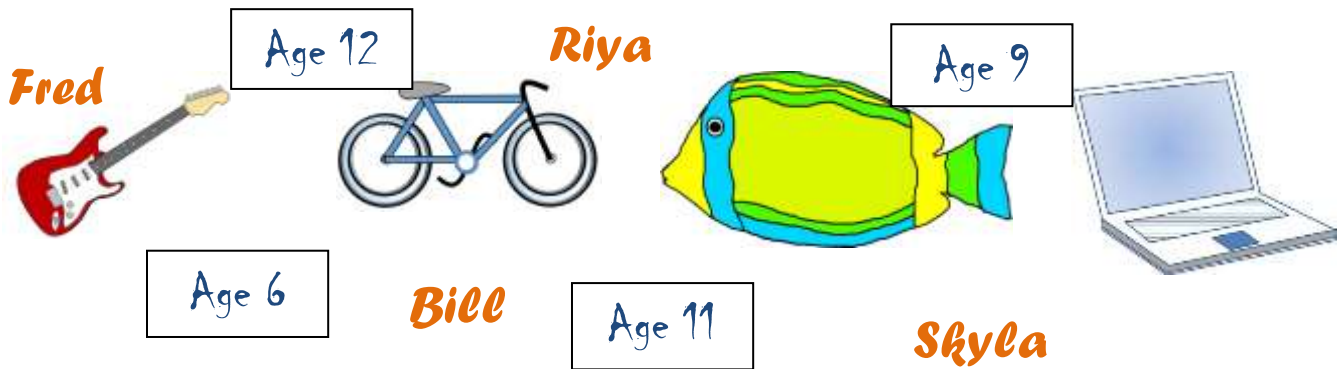


BIRTHDAY BONANZA ANSWERS

Fred, Bill, Skyla and Riya all have birthdays this month.

Their ages will be 6, 9, 11 and 12.

The presents they received are: a guitar, a bike, an aquarium and a laptop.

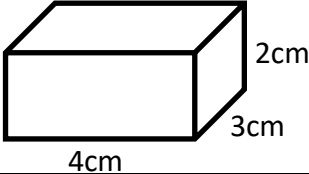
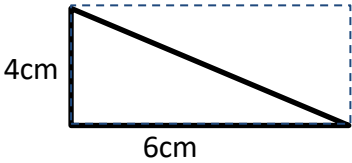


Use the clues below to find out who got what, and how old they were.

- 1) Riya, who is the second oldest, did not get a guitar.
- 2) The person who got the aquarium was the youngest person who is not Skyla.
- 3) The bike was given to an 11 year-old.
- 4) The laptop was given to the oldest person who is not Fred.
- 5) Skyla is not the oldest girl.

PERSON	AGE	PRESENT
Fred	6	Aquarium
Bill	12	Laptop
Skyla	9	Guitar
Riya	11	Bike

MENTAL MATH QUIZ 5:6 ANSWERS

1)	$3\frac{2}{5} + 5\frac{1}{5}$	$8\frac{3}{5}$
2)	What is 50% of \$48?	\$24
3)	Write down all the factors of 45. ___ ___ ___ ___ ___	1 3 5 9 15 45
4)	What is the volume of this cuboid? 	24cm^3
5)	Convert 37% into a fraction.	$\frac{37}{100}$
6)	Write $3\frac{4}{5}$ as an improper fraction.	$\frac{19}{5}$
7)	What is the area of this triangle? 	12cm^2
8)	Round 6257.5 to the nearest 10	6260
9)	Find the value of x if $3x + 1 = 16$.	$x = 5$
10)	The flight time from Boston to London is 6 hours 20 minutes. I arrive in London at 4:25pm. What time did I set off from Boston?	10:05am
11)	Find the mode of 4, 6, 2, 5, 3, 4, 2, 6, 1, 7, 4, 3, and 8.	4
12)	A bag contains 5 blue beads and 3 yellow beads. I pull a bead at random out from the bag. What is the probability it is yellow?	$\frac{3}{8}$
13)	Write $\frac{12}{36}$ in its simplest form.	$\frac{1}{3}$
14)	Quadra gets \$120 for her birthday. She spends $\frac{3}{4}$ and saves the rest. How much money does she save?	\$30
15)	If $x = 7$, work out the value of $x^2 - 5$.	44
16)	If 1kg of rice costs \$1.20, how much does 500g cost?	\$0.60
17)	How many vertices does a hexagonal pyramid have?	7
18)	Convert 0.7 into a percentage.	70%