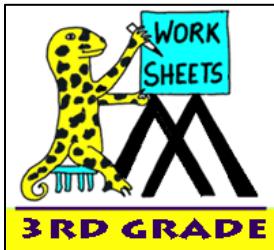


# MATH SALAMANDERS

## 3RD GRADE MATH GRAB PACK

### SPRING EDITION

# ANSWERS



- This is the **answer pack** for our 3rd Grade Math Grab Pack Spring Edition.
- We have **lots more free** third grade math resources – come visit our site for more!

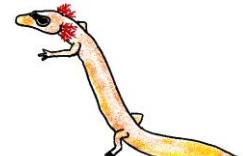
<https://www.math-salamanders.com/3rd-grade-math-worksheets.html>

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## PLACE VALUE 4 DIGITS: EXPAND IT 1 ANSWERS

Write these numbers in expanded form.

---

1) 1672 =  $1000 + 600 + 70 + 2$

---

2) 2347 =  $2000 + 300 + 40 + 7$

---

3) 726 =  $700 + 20 + 6$

---

4) 3264 =  $3000 + 200 + 60 + 4$

---

5) 9273 =  $9000 + 200 + 70 + 3$

---

6) 6251 =  $6000 + 200 + 50 + 1$

---

7) 2786 =  $2000 + 700 + 80 + 6$

---

8) 9045 =  $9000 + 40 + 5$

---

9) 3526 =  $3000 + 500 + 20 + 6$

---

10) 5117 =  $5000 + 100 + 10 + 7$

---

11) 7108 =  $7000 + 100 + 8$

---

12) 2625 =  $2000 + 600 + 20 + 5$

---

13) 8718 =  $8000 + 700 + 10 + 8$

---

14) 2609 =  $2000 + 600 + 9$

---

15) 378 =  $300 + 70 + 8$

---

16) 6273 =  $6000 + 200 + 70 + 3$

---

17) 9817 =  $9000 + 800 + 10 + 7$

---

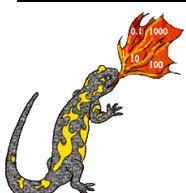
18) 5604 =  $5000 + 600 + 4$

---

19) 8051 =  $8000 + 50 + 1$

---

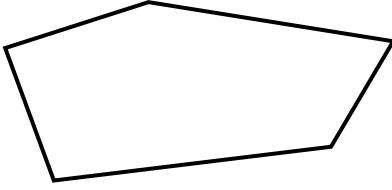
20) 6837 =  $6000 + 800 + 30 + 7$



## ORDERING 4-DIGIT NUMBERS SHEET 1 ANSWERS

A)	6724	7255	5902	3979	
	3979	5902	6724	7255	
	smallest				largest
B)	9624	7892	8097	5276	
	5276	7892	8097	9624	
	smallest				largest
C)	7615	7209	7981	7583	
	7209	7583	7615	7981	
	smallest				largest
D)	5095	3792	6270	4667	
	3792	4667	5095	6270	
	smallest				largest
E)	8627	3627	962	1674	5002
	962	1674	3627	5002	8627
	smallest				largest
F)	6013	3762	1286	8706	876
	876	1286	3762	6013	8706
	smallest				largest
G)	3652	3562	3625	3265	3526
	3265	3526	3562	3625	3652
	smallest				largest

## MENTAL MATH QUIZ 3:4 ANSWERS

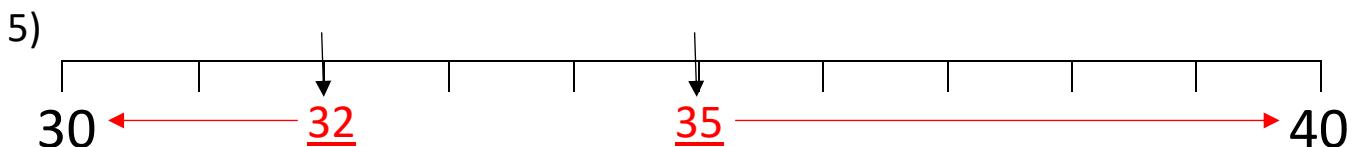
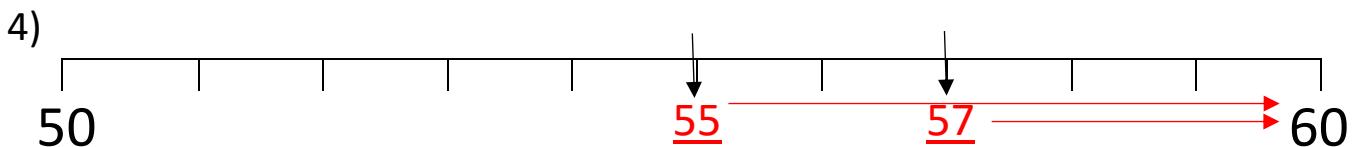
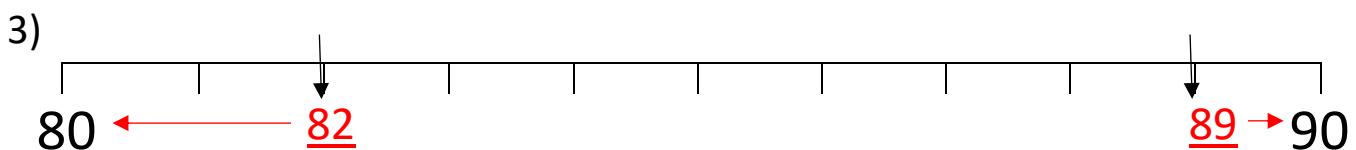
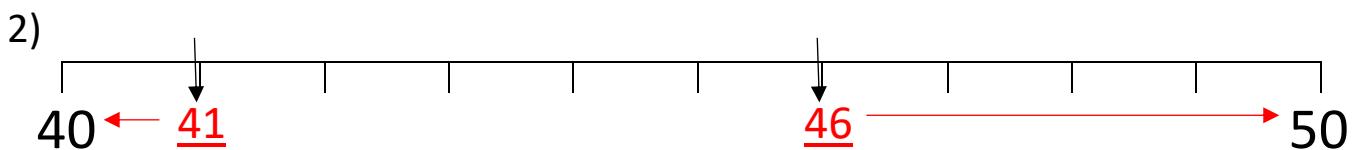
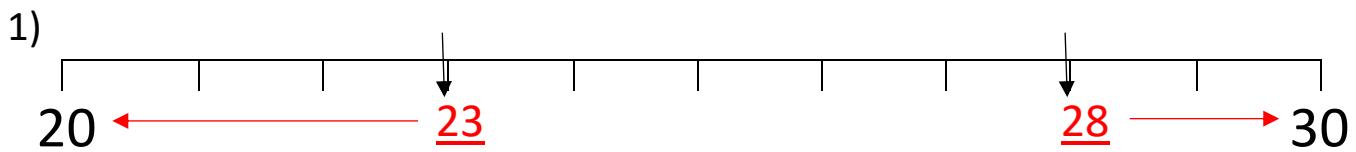
1)	$3 \times \underline{\hspace{1cm}} = 30$	10
2)	Write down a <b>multiple</b> of 5 between 22 and 32	25 or 30
3)	$40 \div 10$	4
4)	$628 = 600 + \underline{\hspace{1cm}} + 8$	20
5)	Write down nine hundred fourteen	914
6)	What is the next number? 17, 21, 25, 29, 33, <u>  </u>	37
7)	How many vertices does this shape have? 	5
8)	How many 2s make 14?	7
9)	Round 165 to the nearest 10.	170
10)	What fraction of the shape below is shaded? 	5/8
11)	How much is 5 dimes and 3 nickels?	65¢
12)	$48 - \underline{\hspace{1cm}} = 42$	6
13)	The time is 3:40pm. What will the time be in half an hour?	4:10pm
14)	How many dimes make 80¢?	8
15)	A pencil costs 21¢. How much do 3 pencils cost? 	63¢
16)	How many feet in 4 yards?	12

## ROUNDING TO THE NEAREST 10 SHEET 1 ANSWERS

Fill in the number marked by the arrow.

Draw an arrow to show where the nearest 10 is.

Remember: if the number is in the middle, it will round up to the next 10.



## NEWTON'S CROSSES PUZZLE 3 ANSWERS

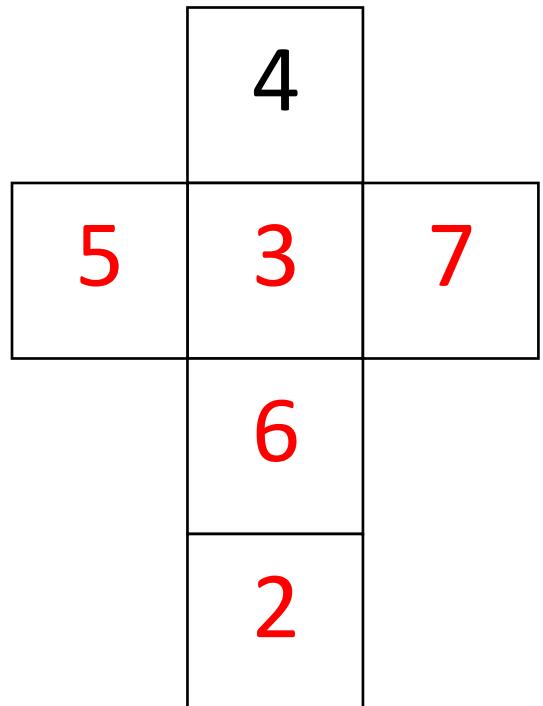
Please note that there are several solutions for each cross puzzle. As long as the number in the center of the cross is the same as the solution below, and the rows and columns contain the same numbers then the answer should work even if the numbers are in a different place.

**One** solution for each puzzle is given.

1)

2 3 5 6 7

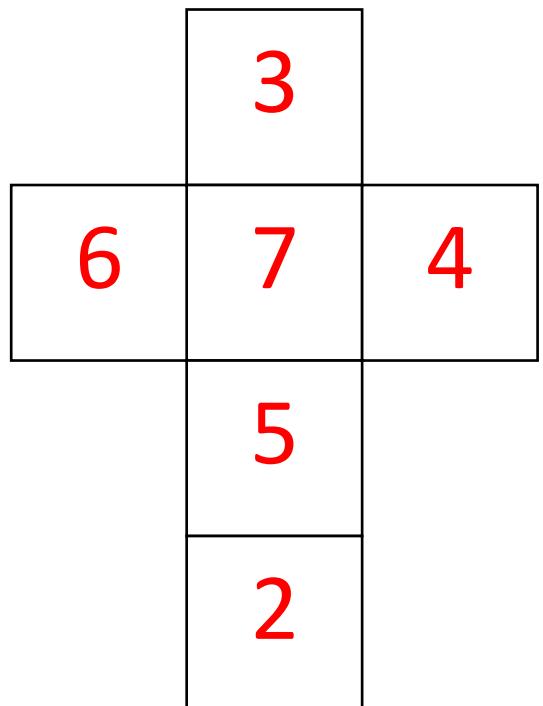
Total must be 15



2)

2 3 4 5 6 7

Total must be 17



## ADDING 1, 10 AND 100 ANSWERS

NUMBER	+1	+10	+100
326	327	337	437
215	<u>216</u>	<u>226</u>	326
480	<u>481</u>	<u>491</u>	<u>591</u>
528	<u>529</u>	<u>539</u>	<u>639</u>
195	<u>196</u>	<u>206</u>	<u>306</u>
309	<u>310</u>	<u>320</u>	<u>420</u>
738	<u>739</u>	<u>749</u>	<u>849</u>
465	<u>466</u>	<u>476</u>	<u>576</u>
294	<u>295</u>	<u>305</u>	<u>405</u>
<u>316</u>	317	327	<u>427</u>
<u>551</u>	<u>552</u>	562	662
<u>263</u>	<u>264</u>	274	<u>374</u>
<u>191</u>	192	<u>202</u>	<u>302</u>
<u>492</u>	<u>493</u>	503	<u>513</u>
<u>603</u>	<u>604</u>	<u>614</u>	714

## 6,7,8 & 9 TIMES TABLES SHEET 1 ANSWERS

x	1	2	3	4	5	6	7	8	9	10
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90

x	5	2	6	3	8	4	7	1	10	9
6	30	12	36	18	48	24	42	6	60	54
7	35	14	42	21	56	28	49	7	70	63
8	40	16	48	24	64	32	56	8	80	72
9	45	18	54	27	72	36	63	9	90	81

x	7	3	5	2	10	1	8	6	9	4
8	56	24	40	16	80	8	64	48	72	32
6	42	18	30	12	60	6	48	36	54	24
9	63	27	45	18	90	9	72	54	81	36
7	49	21	35	14	70	7	56	42	63	28

x	3	9	1	7	4	10	5	8	2	6
9	27	81	9	63	36	90	45	72	18	54
7	21	63	7	49	28	70	35	56	14	42
6	18	54	6	42	24	60	30	48	12	36
8	24	72	8	56	32	80	40	64	16	48

## 4-DIGIT ADDITION SHEET 2 ANSWERS

1)	$\begin{array}{r} 4726 \\ + 2453 \\ \hline 7179 \end{array}$	2)	$\begin{array}{r} 6082 \\ + 253 \\ \hline 6335 \end{array}$	3)	$\begin{array}{r} 3536 \\ + 1825 \\ \hline 5361 \end{array}$	4)	$\begin{array}{r} 7093 \\ + 2517 \\ \hline 9610 \end{array}$
5)	$\begin{array}{r} 6520 \\ + 5416 \\ \hline 11936 \end{array}$	6)	$\begin{array}{r} 2384 \\ + 2537 \\ \hline 4921 \end{array}$	7)	$\begin{array}{r} 3107 \\ + 2639 \\ \hline 5746 \end{array}$	8)	$\begin{array}{r} 7524 \\ + 3172 \\ \hline 10696 \end{array}$
9)	$\begin{array}{r} 8703 \\ + 3516 \\ \hline 12219 \end{array}$	10)	$\begin{array}{r} 4938 \\ + 2516 \\ \hline 7454 \end{array}$	11)	$\begin{array}{r} 6255 \\ + 576 \\ \hline 6831 \end{array}$	12)	$\begin{array}{r} 4829 \\ + 5526 \\ \hline 10355 \end{array}$
13)	$\begin{array}{r} 6519 \\ + 5286 \\ \hline 11805 \end{array}$	14)	$\begin{array}{r} 5178 \\ + 762 \\ \hline 5940 \end{array}$	15)	$\begin{array}{r} 9204 \\ + 3719 \\ \hline 12923 \end{array}$	16)	$\begin{array}{r} 5236 \\ + 1824 \\ \hline 7060 \end{array}$
17)	$\begin{array}{r} 5627 \\ + 2098 \\ \hline 7725 \end{array}$	18)	$\begin{array}{r} 4891 \\ + 5375 \\ \hline 10266 \end{array}$	19)	$\begin{array}{r} 7326 \\ + 863 \\ \hline 8189 \end{array}$	20)	$\begin{array}{r} 8783 \\ + 4205 \\ \hline 12988 \end{array}$
21)	$\begin{array}{r} 7726 \\ + 3418 \\ \hline 11144 \end{array}$	22)	$\begin{array}{r} 6019 \\ + 4673 \\ \hline 10692 \end{array}$	23)	$\begin{array}{r} 4833 \\ + 2947 \\ \hline 7780 \end{array}$	24)	$\begin{array}{r} 6540 \\ + 3928 \\ \hline 10468 \end{array}$

## BIKES AND TRIKES ANSWERS

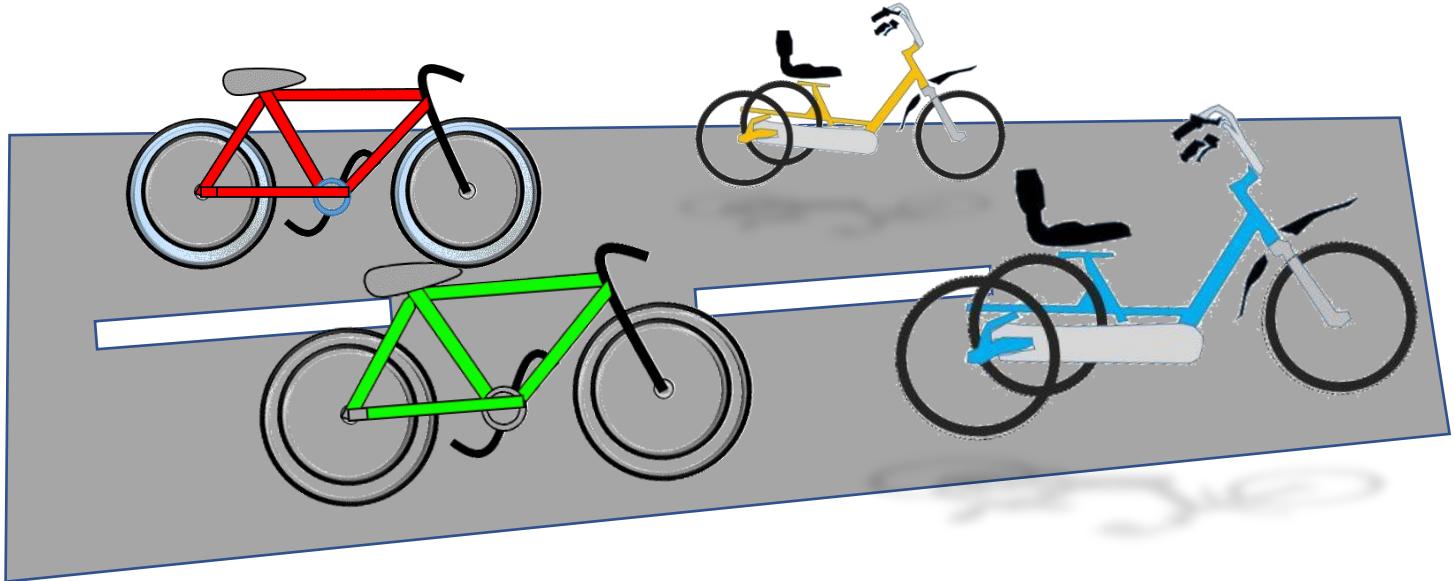
Frazer went to a bicycle show.

At the show there were some trikes (with 3 wheels) and bikes (with 2 wheels).

She counted 25 wheels altogether.

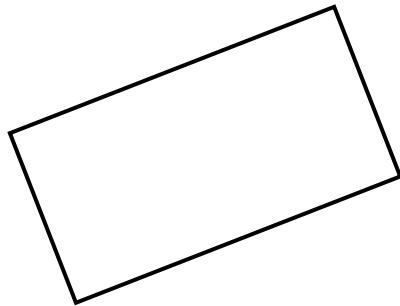
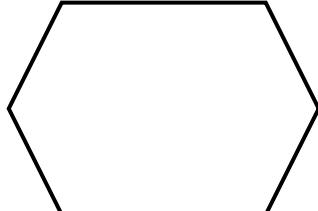
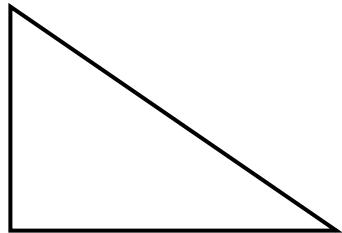
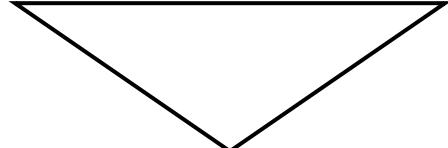
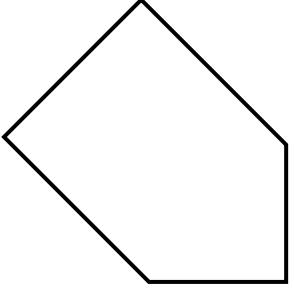
How many bikes and how many trikes were there?

*There are 4 different possible answers. See how many you can find.*



- 1) 2 bikes and 7 trikes
- 2) 5 bikes and 5 trikes
- 3) 8 bikes and 3 trikes
- 4) 11 bikes and 1 trike

## 2D SHAPE PROPERTIES SHEET 1 ANSWERS

		
<p>Sides: 4 Right angles: 4 Name of shape <b>Rectangle</b></p>	<p>Sides: 6 Right angles: 0 Name of shape <b>Hexagon</b></p>	<p>Sides: 3 Right angles: 1 Name of shape <b>Right triangle</b></p>
		
<p>Sides: 3 Right angles: 0 Name of shape <b>Isosceles Triangle</b></p>	<p>Sides: 4 Right angles: 0 Name of shape <b>Parallelogram</b></p>	<p>Sides: 5 Right angles: 3 Name of shape <b>Pentagon</b></p>

# ROW OF COINS CHALLENGES 3A ANSWERS

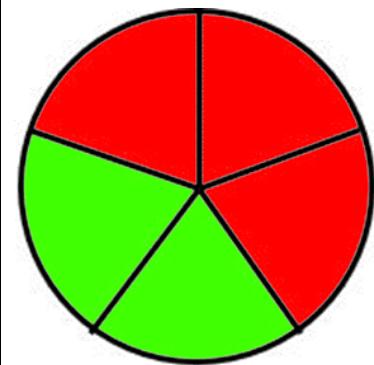
## CHALLENGE 1 ANSWER



## CHALLENGE 2 ANSWER



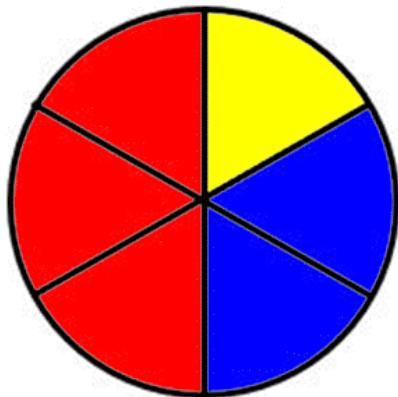
## FRACTION CIRCLES 1 ANSWERS



**Shade 3 parts red. Shade 2 parts green.**

What fraction is red?  $\frac{3}{5}$

What fraction is green?  $\frac{2}{5}$

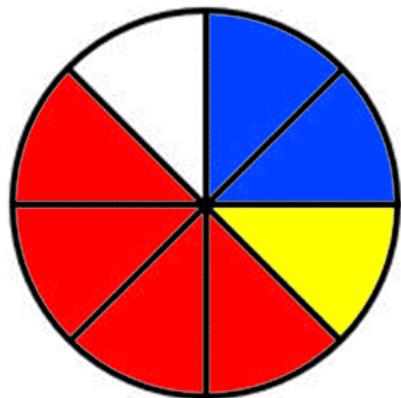


**Shade 1 part yellow. Shade 2 parts blue. Shade 3 parts red.**

What fraction is yellow?  $\frac{1}{6}$

What fraction is blue?  $\frac{2}{6}$  or  $\frac{1}{3}$

What fraction is red?  $\frac{3}{6}$  or  $\frac{1}{2}$



**Shade 2 parts blue. Shade 1 part yellow. Shade 4 parts red.**

What fraction is blue?  $\frac{2}{8}$  or  $\frac{1}{4}$

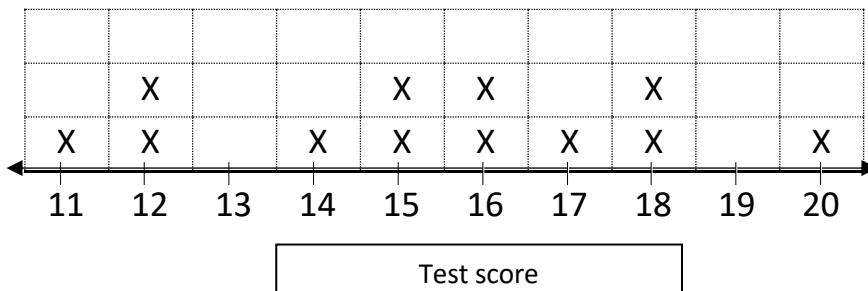
What fraction is yellow?  $\frac{1}{8}$

What fraction is red?  $\frac{4}{8}$  or  $\frac{1}{2}$

What fraction is unshaded?  $\frac{1}{8}$

# INTERPRETING LINE PLOTS SHEET 3:1 ANSWERS

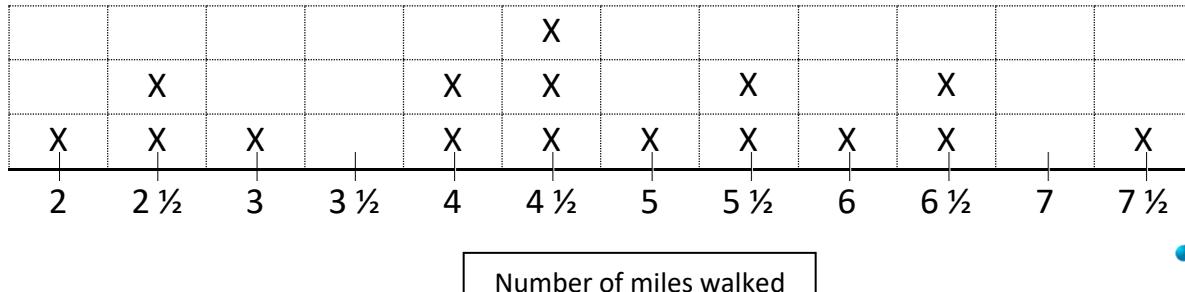
1) This line plot shows the scores of a group of 12 students in a Geography test.



Tick the correct box about each of these statements.

Statement	True	False	Can't tell
<i>The highest score recorded was 20.</i>	✓		
<i>4 students scored more than 17.</i>		✓	
<i>Half of the students scored fewer than 16.</i>	✓		

2) This line plot shows the number of miles walked in a day by a group of 16 people.



- How far did the person who walked furthest walk?  $7 \frac{1}{2}$  miles
- How far did the 3 people who walked the shortest distance walk altogether?  $2 + 2 \frac{1}{2} + 2 \frac{1}{2} = 2 + 5 = 7$  miles
- Three people walked the same distance. What was the distance?  $4 \frac{1}{2}$  miles
- More than half the people walked less than 5 miles. Is this true? 9 out of 16 people walked less than 5 miles so it is true.
- How much further did the person who walked the furthest walk than the person who walked least far?  $7 \frac{1}{2} - 2 = 5 \frac{1}{2}$  miles

## 4-DIGIT SUBTRACTION SHEET 2 ANSWERS

$$1) \begin{array}{r} 5075 \\ - 2314 \\ \hline 2761 \end{array}$$

$$2) \begin{array}{r} 6752 \\ - 3827 \\ \hline 2925 \end{array}$$

$$3) \begin{array}{r} 4295 \\ - 3079 \\ \hline 1216 \end{array}$$

$$4) \begin{array}{r} 3426 \\ - 2239 \\ \hline 1187 \end{array}$$

$$5) \begin{array}{r} 8721 \\ - 5376 \\ \hline 3345 \end{array}$$

$$6) \begin{array}{r} 9027 \\ - 465 \\ \hline 8562 \end{array}$$

$$7) \begin{array}{r} 6538 \\ - 1865 \\ \hline 4673 \end{array}$$

$$8) \begin{array}{r} 7560 \\ - 2634 \\ \hline 4926 \end{array}$$

$$9) \begin{array}{r} 5368 \\ - 947 \\ \hline 4421 \end{array}$$

$$10) \begin{array}{r} 7135 \\ - 2864 \\ \hline 4271 \end{array}$$

$$11) \begin{array}{r} 8656 \\ - 6451 \\ \hline 2205 \end{array}$$

$$12) \begin{array}{r} 6057 \\ - 3249 \\ \hline 2808 \end{array}$$

$$13) \begin{array}{r} 9526 \\ - 6873 \\ \hline 2653 \end{array}$$

$$14) \begin{array}{r} 4038 \\ - 2574 \\ \hline 1464 \end{array}$$

$$15) \begin{array}{r} 8510 \\ - 3037 \\ \hline 5473 \end{array}$$

$$16) \begin{array}{r} 6624 \\ - 1953 \\ \hline 4671 \end{array}$$

$$17) \begin{array}{r} 3876 \\ - 3526 \\ \hline 0350 \end{array}$$

$$18) \begin{array}{r} 2186 \\ - 593 \\ \hline 1593 \end{array}$$

$$19) \begin{array}{r} 6849 \\ - 4291 \\ \hline 2558 \end{array}$$

$$20) \begin{array}{r} 6158 \\ - 3763 \\ \hline 2395 \end{array}$$

$$21) \begin{array}{r} 8527 \\ - 375 \\ \hline 8152 \end{array}$$

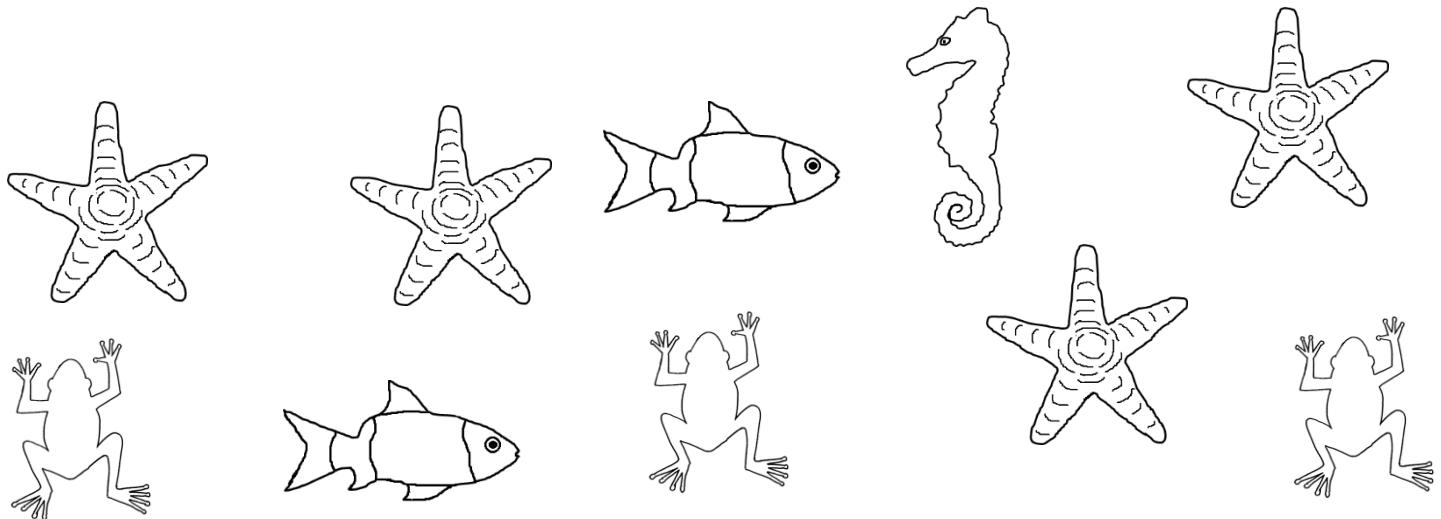
$$22) \begin{array}{r} 4019 \\ - 3746 \\ \hline 0273 \end{array}$$

$$23) \begin{array}{r} 7800 \\ - 1786 \\ \hline 6014 \end{array}$$

$$24) \begin{array}{r} 9634 \\ - 2951 \\ \hline 6683 \end{array}$$

## FRACTION SPOTTING SHEET 3 ANSWERS

Help Frazer the Fraction Salamander to spot the fractions.



How many frogs are there? 3 out of 10 creatures

What fraction of the creatures are frogs?

$$\frac{3}{10}$$

How many starfish are there? 4 out of 10 creatures

What fraction of the creatures are starfish?

$$\frac{4}{10}$$

How many sea horses are there? 1 out of 10 creatures

What fraction of the creatures are sea horses?

$$\frac{1}{10}$$

How many fish are there? 2 out of 10 creatures

What fraction of the creatures are fish?

$$\frac{2}{10}$$