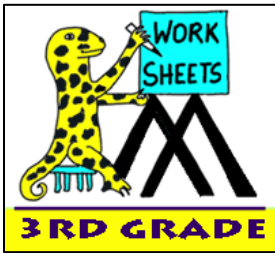


# MATH SALAMANDERS

## 3RD GRADE MATH GRAB PACK

SUMMER EDITION

### ANSWERS



- This is the **answer pack** for our 3rd Grade Math Grab Pack Summer 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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## EXPANDED FORM 4 DIGITS SHEET 1 ANSWERS

Write down these numbers in expanded form.

$$1) \quad 5724 \quad = \quad 5 \text{ thousands} + 7 \text{ hundreds} + 2 \text{ tens} + 4 \text{ ones}$$

---

$$2) \quad 2361 \quad = \quad 2 \text{ thousands} + 3 \text{ hundreds} + 6 \text{ tens} + 1 \text{ one}$$

---

$$3) \quad 4908 \quad = \quad 4 \text{ thousands} + 9 \text{ hundreds} + 8 \text{ ones}$$

---

$$4) \quad 1076 \quad = \quad 1 \text{ thousands} + 7 \text{ tens} + 6 \text{ ones}$$

---

$$5) \quad 4285 \quad = \quad 4 \text{ thousands} + 2 \text{ hundreds} + 8 \text{ tens} + 5 \text{ ones}$$

---

$$6) \quad 723 \quad = \quad 7 \text{ hundreds} + 2 \text{ tens} + 3 \text{ ones}$$

---

$$7) \quad 3294 \quad = \quad 3 \text{ thousands} + 2 \text{ hundreds} + 9 \text{ tens} + 4 \text{ ones}$$

---

$$8) \quad 8043 \quad = \quad 8 \text{ thousands} + 4 \text{ tens} + 3 \text{ ones}$$

---

$$9) \quad 7612 \quad = \quad 7 \text{ thousands} + 6 \text{ hundreds} + 1 \text{ ten} + 2 \text{ ones}$$

---

$$10) \quad 4209 \quad = \quad 4 \text{ thousands} + 2 \text{ hundreds} + 9 \text{ ones}$$

---

$$11) \quad 837 \quad = \quad 8 \text{ hundreds} + 3 \text{ tens} + 7 \text{ ones}$$

---

$$12) \quad 6258 \quad = \quad 6 \text{ thousands} + 2 \text{ hundreds} + 5 \text{ tens} + 8 \text{ ones}$$

---

$$13) \quad 9086 \quad = \quad 9 \text{ thousands} + 8 \text{ tens} + 6 \text{ ones}$$

---

$$14) \quad 5706 \quad = \quad 5 \text{ thousands} + 7 \text{ hundreds} + 6 \text{ ones}$$

---

$$15) \quad 2147 \quad = \quad 2 \text{ thousands} + 1 \text{ hundred} + 4 \text{ tens} + 7 \text{ ones}$$

---

$$16) \quad 1219 \quad = \quad 1 \text{ thousand} + 2 \text{ hundreds} + 1 \text{ ten} + 9 \text{ ones}$$

---

$$17) \quad 9283 \quad = \quad 9 \text{ thousands} + 2 \text{ hundreds} + 8 \text{ tens} + 3 \text{ ones}$$

---

$$18) \quad 479 \quad = \quad 4 \text{ hundreds} + 7 \text{ tens} + 9 \text{ ones}$$

---

$$19) \quad 2561 \quad = \quad 2 \text{ thousands} + 5 \text{ hundreds} + 6 \text{ tens} + 1 \text{ one}$$

---


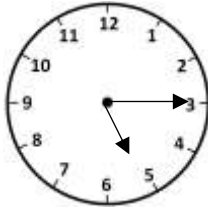

$$20) \quad 4802 \quad = \quad 4 \text{ thousands} + 8 \text{ hundreds} + 2 \text{ ones}$$

---


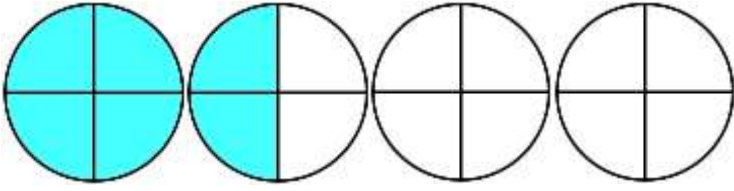

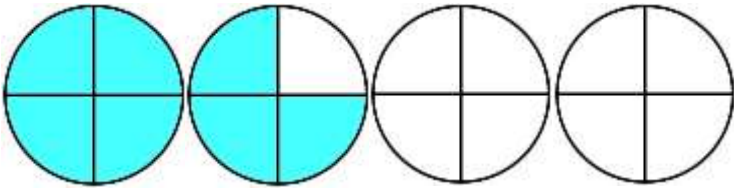

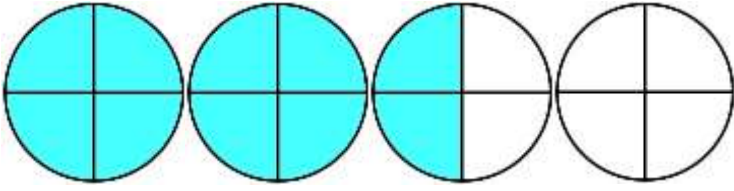

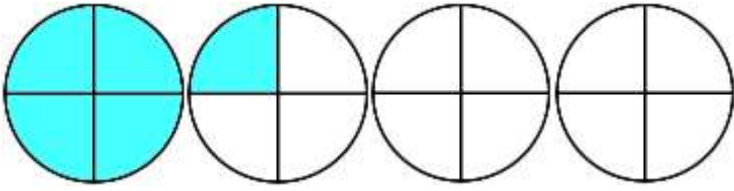

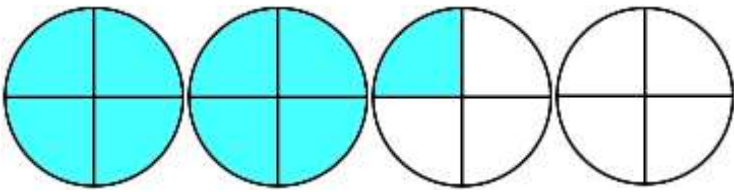
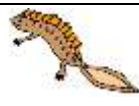
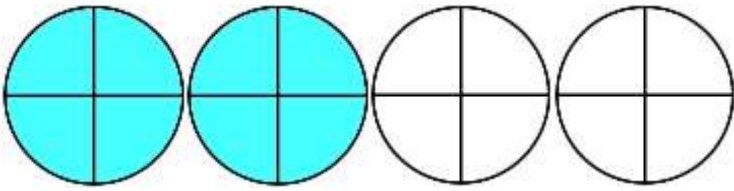
## ROUNDING TO THE NEAREST 10 SHEET 3 ANSWERS

- |                    |                     |                    |
|--------------------|---------------------|--------------------|
| 1) 32 → <u>30</u>  | 2) 24 → <u>20</u>   | 3) 16 → <u>20</u>  |
| 4) 60 → <u>60</u>  | 5) 39 → <u>40</u>   | 6) 75 → <u>80</u>  |
| 7) 44 → <u>40</u>  | 8) 83 → <u>80</u>   | 9) 68 → <u>70</u>  |
| 10) 27 → <u>30</u> | 11) 35 → <u>40</u>  | 12) 13 → <u>10</u> |
| 13) 40 → <u>40</u> | 14) 87 → <u>90</u>  | 15) 8 → <u>10</u>  |
| 16) 93 → <u>90</u> | 17) 57 → <u>60</u>  | 18) 45 → <u>50</u> |
| 19) 3 → <u>0</u>   | 20) 95 → <u>100</u> | 21) 26 → <u>30</u> |

# MENTAL MATH QUIZ 3:5 ANSWERS

1)	Write down 3 odd numbers that add up to 19	e.g. 1, 3, 15
2)	___ - 4 = 11	15
3)	Write down the number one thousand three hundred twenty.	1320
4)	$21 \div 3$	7
5)	Round 827 to the nearest 100.	800
6)	<p>What is the perimeter of this rectangle?</p> 	16cm
7)	<p>What is the next number in this sequence?</p> <p>83, 80, 77, 74, 71, ___</p>	68
8)	<p>What is the time in digital?</p> 	5:15
9)	Write down a multiple of 4 between 29 and 37	32 or 36
10)	<p>I have \$1. I spend 35¢.</p> <p>How much do I have left?</p> 	65¢
11)	<p>A ladder is 10 _____ tall. Which word is missing?</p> <p><b>inches    feet    cm</b></p>	feet
12)	How many nickels makes 4 dimes?	8
13)	What number comes halfway between 7 and 8?	7 ½
14)	How many wheels on 8 cars?	32
15)	Half of 32	16
16)	The date is the August 15. What was the date 2 weeks ago?	August 1

# COLOR THE FRACTIONS: QUARTERS SHEET 1 ANSWERS

		Pizza	Fraction
1)	 Captain 6 pieces		$1\frac{1}{2}$
2)	 Tyger 7 pieces		$1\frac{3}{4}$
3)	 Frazer 10 pieces		$2\frac{1}{2}$
4)	 Flame 5 pieces		$1\frac{1}{4}$
5)	 Sally 9 pieces		$2\frac{1}{4}$
6)	 Newton 8 pieces		2

# NEWTON'S NUMBER TRACK PUZZLE 3 ANSWERS

1) 

6	5	11	16	27
---	---	----	----	----

2) 

2	6	8	14	22
---	---	---	----	----

3) 

15	10	25	35	60
----	----	----	----	----

4) 

5	7	12	19	31
---	---	----	----	----

5) 

10	6	16	22	38
----	---	----	----	----

6) 

10	30	40	70	110
----	----	----	----	-----

7) 

6	2	8	10	18
---	---	---	----	----

8) 

4	9	13	22	35
---	---	----	----	----

9) 

8	3	11	14	25
---	---	----	----	----

10) 

1	6	7	13	20
4	4	8	12	20
7	2	9	11	20
10	0	10	10	20

# HOW MUCH MONEY CHALLENGE 3A ANSWERS



How much money could Tyger have in his sack?

	COIN 1	COIN 2	COIN 3	TOTAL
1)				45¢
2)				40¢
3)				36¢
4)				35¢
5)				31¢
6)				27¢
7)				25¢
8)				21¢

*There are 8 possibilities - see how many you can find!*

*What are the largest and smallest amounts of money he could have chosen?*

*Largest: 45¢*

*Smallest: 21¢*

## 4-DIGIT ADDITION SHEET 4 ANSWERS

$$\begin{array}{r} 1) \quad 6368 \\ + \quad 2951 \\ \hline 9319 \end{array}$$

$$\begin{array}{r} 2) \quad 5093 \\ + \quad 2765 \\ \hline 7858 \end{array}$$

$$\begin{array}{r} 3) \quad 8429 \\ + \quad 3704 \\ \hline 12133 \end{array}$$

$$\begin{array}{r} 4) \quad 5786 \\ + \quad 409 \\ \hline 6195 \end{array}$$

$$\begin{array}{r} 5) \quad 7384 \\ + \quad 3916 \\ \hline 11300 \end{array}$$

$$\begin{array}{r} 6) \quad 4517 \\ + \quad 5734 \\ \hline 10251 \end{array}$$

$$\begin{array}{r} 7) \quad 8284 \\ + \quad 4532 \\ \hline 12816 \end{array}$$

$$\begin{array}{r} 8) \quad 6607 \\ + \quad 4735 \\ \hline 11342 \end{array}$$

$$\begin{array}{r} 9) \quad 8573 \\ + \quad 664 \\ \hline 9237 \end{array}$$

$$\begin{array}{r} 10) \quad 6539 \\ + \quad 2287 \\ \hline 8826 \end{array}$$

$$\begin{array}{r} 11) \quad 5740 \\ + \quad 7289 \\ \hline 13029 \end{array}$$

$$\begin{array}{r} 12) \quad 6938 \\ + \quad 76 \\ \hline 7014 \end{array}$$

$$\begin{array}{r} 13) \quad 7355 \\ + \quad 2843 \\ \hline 10198 \end{array}$$

$$\begin{array}{r} 14) \quad 9803 \\ + \quad 7538 \\ \hline 17341 \end{array}$$

$$\begin{array}{r} 15) \quad 3327 \\ + \quad 986 \\ \hline 4313 \end{array}$$

$$\begin{array}{r} 16) \quad 4773 \\ + \quad 6085 \\ \hline 10858 \end{array}$$

$$\begin{array}{r} 17) \quad 5388 \\ + \quad 4632 \\ \hline 10020 \end{array}$$

$$\begin{array}{r} 18) \quad 7985 \\ + \quad 2737 \\ \hline 10722 \end{array}$$

$$\begin{array}{r} 19) \quad 8953 \\ + \quad 1466 \\ \hline 10419 \end{array}$$

$$\begin{array}{r} 20) \quad 3926 \\ + \quad 2419 \\ \hline 6345 \end{array}$$

$$\begin{array}{r} 21) \quad 8067 \\ + \quad 6243 \\ \hline 14310 \end{array}$$

$$\begin{array}{r} 22) \quad 6138 \\ + \quad 3376 \\ \hline 9514 \end{array}$$

$$\begin{array}{r} 23) \quad 9244 \\ + \quad 876 \\ \hline 10120 \end{array}$$

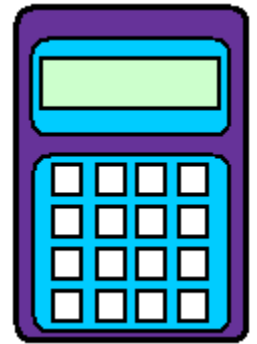
$$\begin{array}{r} 24) \quad 7186 \\ + \quad 5947 \\ \hline 13133 \end{array}$$



## BROKEN CALCULATOR PROBLEM 2 ANSWERS

Captain's calculator has broken.

Unfortunately, none of the buttons work apart from the 3, 5, +, - and = button.



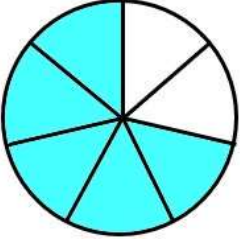
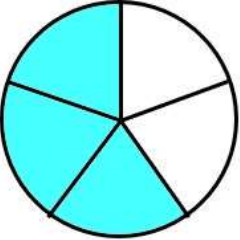
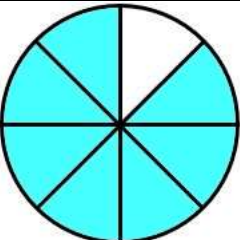
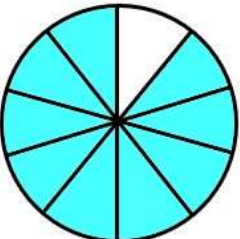
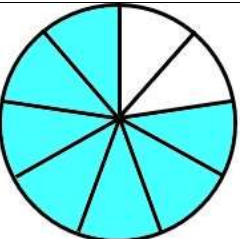
You can make any of the numbers from 1 to 20 in a variety of ways. There is an example of how to make each number below.

One interesting point is that you can make the numbers 11 to 20 simply by adding 5 + 5 to all the answers from 1 to 10.

<u><math>3 + 3 - 5</math></u>	= 1	$3 + 3 + 5$	= 11
<u><math>5 - 3</math></u>	= 2	<u><math>3 + 3 + 3 + 3</math></u>	= 12
<u><math>3</math></u>	= 3	<u><math>5 + 5 + 3</math></u>	= 13
<u><math>3 + 3 + 3 - 5</math></u>	= 4	<u><math>3 + 3 + 3 + 5</math></u>	= 14
<u><math>5</math></u>	= 5	<u><math>5 + 5 + 5</math></u>	= 15
<u><math>3 + 3</math></u>	= 6	<u><math>5 + 5 + 3 + 3</math></u>	= 16
<u><math>5 + 5 - 3</math></u>	= 7	<u><math>5 + 5 + 5 + 5 - 3</math></u>	= 17
<u><math>5 + 3</math></u>	= 8	<u><math>5 + 5 + 5 + 3</math></u>	= 18
<u><math>3 + 3 + 3</math></u>	= 9	<u><math>5 + 5 + 3 + 3 + 3</math></u>	= 19
<u><math>5 + 5</math></u>	= 10	<u><math>5 + 5 + 5 + 5</math></u>	= 20

# ADDING FRACTIONS WITH LIKE DENOMINATORS

## USING CIRCLES SHEET 2 ANSWERS

	FRACTION	INSTRUCTIONS	FRACTION SENTENCE
1)		Shade $\frac{1}{7}$ . Shade $\frac{4}{7}$ more.  What fraction is shaded now?	$\frac{1}{7} + \frac{4}{7} = \frac{5}{7}$
2)		Shade $\frac{2}{5}$ . Shade $\frac{1}{5}$ more.  What fraction is shaded now?	$\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$
3)		Shade $\frac{3}{8}$ . Shade $\frac{4}{8}$ more.  What fraction is shaded now?	$\frac{3}{8} + \frac{4}{8} = \frac{7}{8}$
4)		Shade $\frac{2}{10}$ . Shade $\frac{7}{10}$ more.  What fraction is shaded now?	$\frac{2}{10} + \frac{7}{10} = \frac{9}{10}$
5)		Shade $\frac{5}{9}$ . Shade $\frac{2}{9}$ more.  What fraction is shaded now?	$\frac{5}{9} + \frac{2}{9} = \frac{7}{9}$

# MULTIPLICATION: 2-DIGITS BY 1-DIGIT SHEET 1 ANSWERS

$$\begin{array}{r} 1) \quad 32 \\ \times \quad 3 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 2) \quad 25 \\ \times \quad 2 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 3) \quad 13 \\ \times \quad 4 \\ \hline 52 \end{array}$$

$$\begin{array}{r} 4) \quad 16 \\ \times \quad 4 \\ \hline 64 \end{array}$$

$$\begin{array}{r} 5) \quad 25 \\ \times \quad 3 \\ \hline 75 \end{array}$$

$$\begin{array}{r} 6) \quad 23 \\ \times \quad 2 \\ \hline 46 \end{array}$$

$$\begin{array}{r} 7) \quad 86 \\ \times \quad 3 \\ \hline 258 \end{array}$$

$$\begin{array}{r} 8) \quad 83 \\ \times \quad 2 \\ \hline 166 \end{array}$$

$$\begin{array}{r} 9) \quad 95 \\ \times \quad 5 \\ \hline 475 \end{array}$$

$$\begin{array}{r} 10) \quad 76 \\ \times \quad 4 \\ \hline 304 \end{array}$$

$$\begin{array}{r} 11) \quad 38 \\ \times \quad 5 \\ \hline 190 \end{array}$$

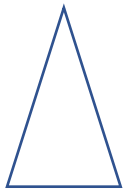
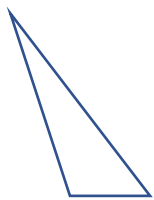

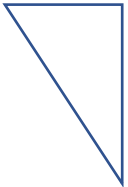
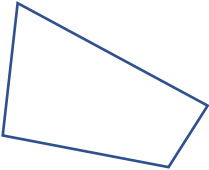

$$\begin{array}{r} 12) \quad 57 \\ \times \quad 3 \\ \hline 171 \end{array}$$

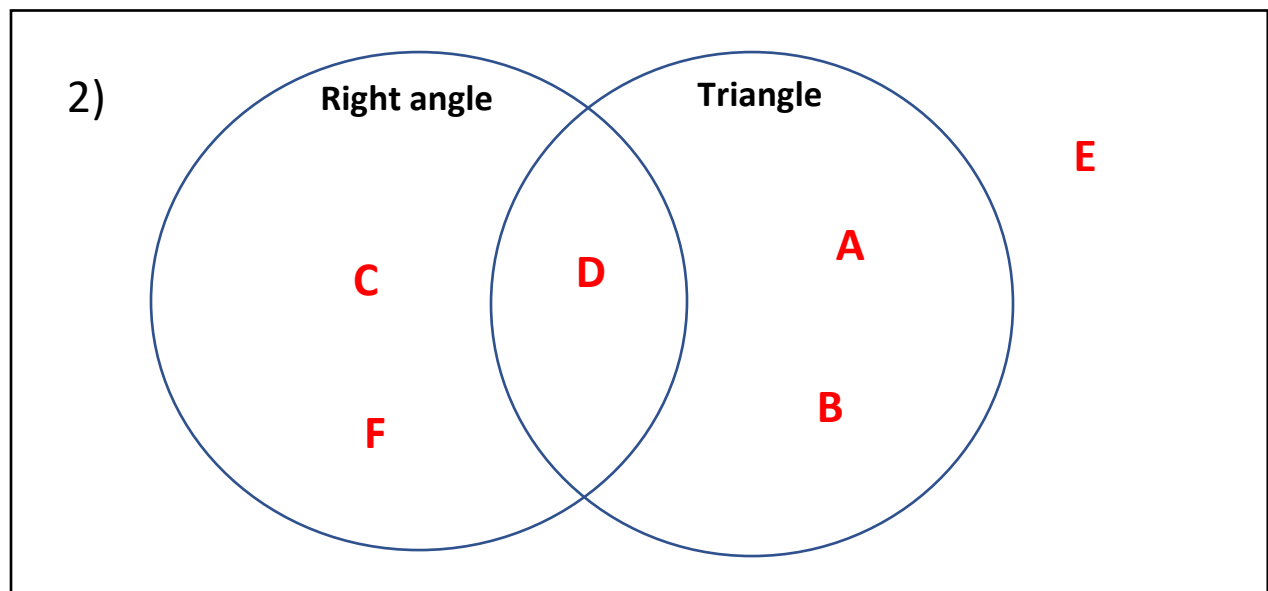
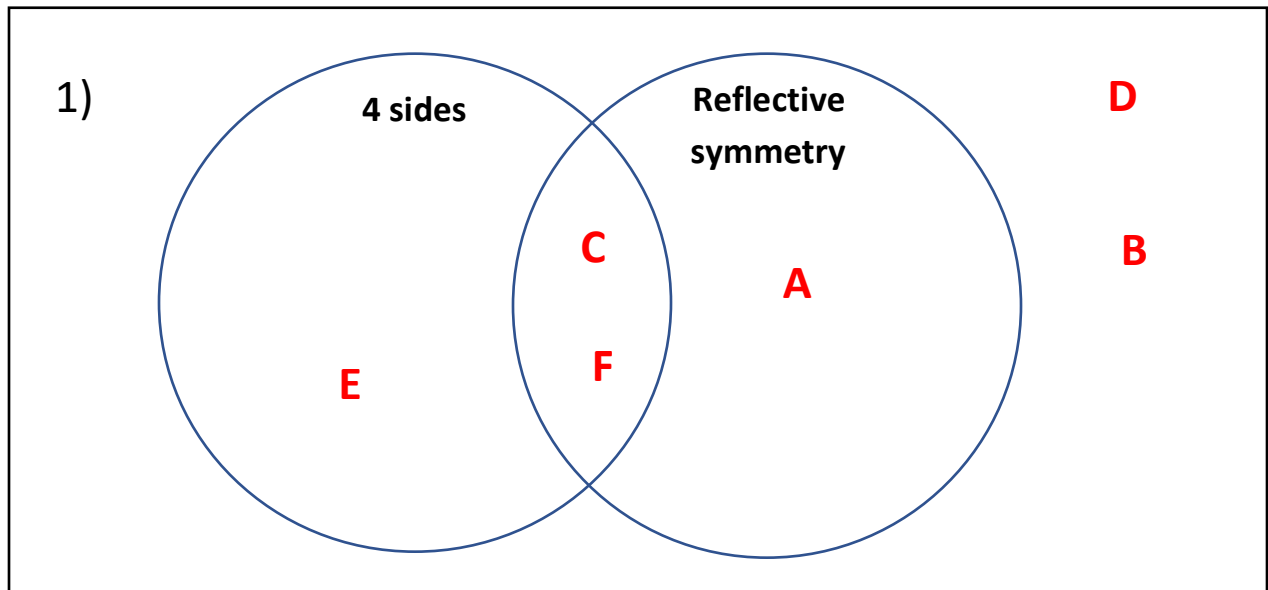
$$\begin{array}{r} 13) \quad 40 \\ \times \quad 5 \\ \hline 200 \end{array}$$

$$\begin{array}{r} 14) \quad 89 \\ \times \quad 4 \\ \hline 356 \end{array}$$

$$\begin{array}{r} 15) \quad 29 \\ \times \quad 3 \\ \hline 87 \end{array}$$

# VENN DIAGRAMS SHEET 3:3 ANSWERS

					
A	B	C	D	E	F



# MAKE 50 ANSWERS

Use the numbers in the grid each time.

13	28	6	35	17
34	11	18	44	37
20	16	15	30	22

## **Challenge 1**

Find pairs of numbers that add up to 50.

Try to find 6 different pairs.

13+37   28+22   44+6   35+15   34+16   30+20

## **Challenge 2**

Try to find sets of 3 numbers that add up to make 50.

Try to find 3 different answers.

28+16+6   20+17+13   22+15+13   18+17+15   22+17+11

## 4-DIGIT SUBTRACTION SHEET 3 ANSWERS

$$\begin{array}{r} 1) \quad 6754 \\ - 3826 \\ \hline 2928 \end{array}$$

$$\begin{array}{r} 2) \quad 5037 \\ - 2563 \\ \hline 2474 \end{array}$$

$$\begin{array}{r} 3) \quad 8233 \\ - 4528 \\ \hline 3705 \end{array}$$

$$\begin{array}{r} 4) \quad 3586 \\ - 679 \\ \hline 2907 \end{array}$$

$$\begin{array}{r} 5) \quad 7251 \\ - 5738 \\ \hline 1513 \end{array}$$

$$\begin{array}{r} 6) \quad 9346 \\ - 1755 \\ \hline 7591 \end{array}$$

$$\begin{array}{r} 7) \quad 4978 \\ - 3572 \\ \hline 1406 \end{array}$$

$$\begin{array}{r} 8) \quad 5263 \\ - 2957 \\ \hline 2306 \end{array}$$

$$\begin{array}{r} 9) \quad 4384 \\ - 756 \\ \hline 3628 \end{array}$$

$$\begin{array}{r} 10) \quad 2034 \\ - 1758 \\ \hline 0276 \end{array}$$

$$\begin{array}{r} 11) \quad 6243 \\ - 2753 \\ \hline 3490 \end{array}$$

$$\begin{array}{r} 12) \quad 7621 \\ - 2954 \\ \hline 4667 \end{array}$$

$$\begin{array}{r} 13) \quad 6607 \\ - 4254 \\ \hline 2353 \end{array}$$

$$\begin{array}{r} 14) \quad 8032 \\ - 5829 \\ \hline 2203 \end{array}$$

$$\begin{array}{r} 15) \quad 3244 \\ - 978 \\ \hline 2266 \end{array}$$

$$\begin{array}{r} 16) \quad 5782 \\ - 2499 \\ \hline 3283 \end{array}$$

$$\begin{array}{r} 17) \quad 6000 \\ - 4348 \\ \hline 1652 \end{array}$$

$$\begin{array}{r} 18) \quad 4266 \\ - 2952 \\ \hline 1314 \end{array}$$

$$\begin{array}{r} 19) \quad 9164 \\ - 3527 \\ \hline 5637 \end{array}$$

$$\begin{array}{r} 20) \quad 7020 \\ - 1864 \\ \hline 5156 \end{array}$$

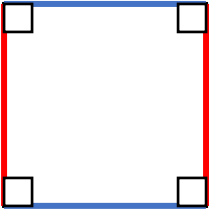
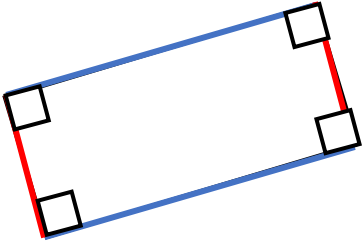
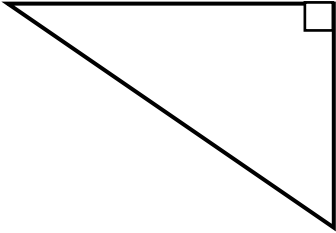
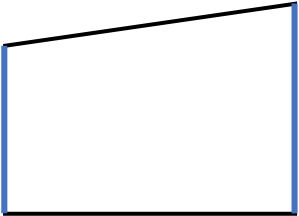
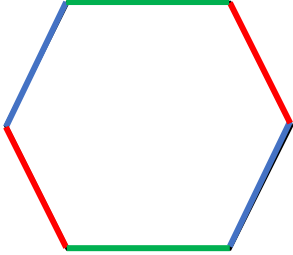

$$\begin{array}{r} 21) \quad 3136 \\ - 1827 \\ \hline 1309 \end{array}$$

$$\begin{array}{r} 22) \quad 6431 \\ - 4738 \\ \hline 1693 \end{array}$$

$$\begin{array}{r} 23) \quad 5007 \\ - 1954 \\ \hline 3053 \end{array}$$

$$\begin{array}{r} 24) \quad 8240 \\ - 5384 \\ \hline 2856 \end{array}$$

## 2D SHAPE PROPERTIES SHEET 2 ANSWERS

		
<p>Sides: 4 Right angles: 4 Pairs of Parallel lines: 2</p>	<p>Sides: 4 Right angles: 4 Pairs of Parallel lines: 2</p>	<p>Sides: 3 Right angles: 1 Pairs of Parallel lines: 0</p>
		
<p>Sides: 4 Right angles: 2 Pairs of Parallel lines: 1</p>	<p>Sides: 6 Right angles: 0 Pairs of Parallel lines: 3</p>	<p>Sides: 4 Right angles: 0 Pairs of Parallel lines: 2</p>

# NUMBER FILL IN PUZZLE 1 ANSWERS

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

3 DIGITS	4 DIGITS	5 DIGITS	6 DIGITS
143	2619	19076	210496
267	3580	20537	<del>420358</del>
468	6034	32706	<del>725692</del>
<del>659</del>	7129	41037	
748	7519	41853	
946	9256	58321	
		84192	