Unit 1   Family Fun Game Answer Key - All Levels

Problem Letter	(pink)	(blue)	(green)	(yellow)
A	5¢ (cents)	$32	6	1.15
B	6¢	$42	3	1.21
C	7¢ (cents)	$55	15	0.42
D	8¢ (cents)	$78	8	0.14
E	9¢ (cents)	$62	9	0.01
F	10¢ (cents)	$82	28	0.34
G	6¢ (cents)	$28	1/4	0.25
H	7¢ (cents)	$12	2/8	0.5 or 0.50
I	8¢ (cents)	$8	1/3	0.75
J	10¢ (cents)	$10	2/6	1/4 pizza
K	13¢ (cents)	$32	10	3/8 cards
L	15¢ (cents)	$25	3	3/5 way on bus
M	11¢ (cents)	$15	9	3/8 missing
N	12¢ (cents)	$21	1	2/5 black
O	9¢ (cents)	$45	0.15	3/6 or 1/2 water
P	14¢ (cents)	$37	0.2	8.2 miles
Q	13¢ (cents)	$3	0.42	9.01 meters
R	16¢ (cents)	$19	0.05	151.2 miles

Unit 2 — Family Fun Game Answer Key - All Levels

Problem Letter	🐕	✏️	🐟		🦉
A	10 ¢	$46	2 x 5 = 10 5 x 2 = 10 10 ÷ 2 = 5 10 ÷ 5 = 2		1.25
B	10 ¢	$59	5 x 4 = 20; 4 x 5= 20; 20 ÷ 4 = 5; 20 ÷ 5 = 4		1.21
C	12 ¢	$45	3 x 6 = 18; 6 x 3 = 18; 18 ÷ 6 = 3; 18 ÷ 3 = 6		0.22
D	11 cents	$40	42		3/6 or 1/2 pizza
E	10 cents	$90	8		5/8 cards
F	12 cents	$85	45		3/8 way on bus
G	15 cents	$37	5 blouses		$108.55
H	14 cents	$52	$4 each		6.4 miles
I	18 cents	$26	4 in each row		51.2 miles
J	6 + 4	2 + 7 = 9 7 + 2 = 9 9 − 2 = 7 9 − 7 = 2	0.76		9
K	5 + 5	7 + 3 = 10 3 + 7 = 10 10 − 7 = 10 10 − 3 = 7	0.08		7
L	1 + 9	6 + 9 = 15 9 + 6 = 15 15 − 9 = 6 15 − 6 = 9	0.19		9
M	10, 20, 30, 40, 50, 60, 70, 80, 90, 100	22 fish	$\frac{9}{10}$		14
N	9 ants	6 fish were left	6/10		42
O	5 bugs	10 tadpoles left	4/10		16
P	4 coyotes	8 + 2 = 10	(smallest) 0.33; (largest) 0.5		1/6
Q	7 sage leaves	1 + 9 = 10	11.99		1/6
R	5 − 1 = 4	3 + 7 = 10	Drew		5/8

Problem	🐺 (pink)	✏️ (blue)	🐟 (green)	🦉 (yellow)	
A	15 dots Number 15	7 + 6 = 13 6 + 7 = 13 13 -7 = 6 13 – 6 = 7	0.9	1.26	
B	5 butterflies Number 5	5 + 8 = 13 8 + 5 = 13 13 – 5 = 8 13 – 8 = 5	0.06	1/6 of pizza	
C	9 stars Number 9	7 + 9 = 16 9 + 7 = 16 16 – 9 = 7 16 – 7 = 9	0.4	32,770.77 miles	
D	8 - (Can cut paper pennies for counters)	8 + 2 = 10	solution = 169	210.55	
E	Count out 15 counters	3 + 7 = 10	solution = 143	0.75	
F	Count out 10 counters	5 + 5 = 10	solution = 195	0.07	
G	12 ants	14 + 5 = 19 Sue read 19 picture books.	0.45 (smallest); 0.75	0.05, 5%	
H	10 leaves	13 – 9 = 4 Eddie picked up 4 fewer rocks.	0.7 (largest); 0.56	9	
I	3 bugs	Divided into 2 equal or same size pieces.	0.08 (smallest); 0.9	18	
J	2 eggs	4 tens and 5 ones 45	4/6 is closer to 2/3 Solve with common denominator = 6 2/3 = 4/6 1/2 = 3/6	Draw and color tiles or use the paper tiles to show the ratio 4:1 show 4 tiles with one color and show 1 tile with a different color	
K	10 eggs	3 tens and 9 ones 39	1/4 is closer to 1/8 Solve with common denominator = 8 1/4 = 2/8 1/2 = 4/8	Draw and color tiles or use the paper tiles to show the ratio 5:3 show 5 tiles with one color and show 3 tile with a different color	
L	8 were brown	6 tens and 6 ones 66	1/2 is closer to 6/8 Solve with common denominator = 8 1/2 = 4/8 1/4 = 2/8	Draw and color tiles or use the paper tiles to show the ratio 3:7 show 3 tiles with one color and show 7 tile with a different color	
M	Penny	5	8/10 = 0.8	3:4 and 3/4	
N	Penny	12	4/10 = 0.4	6:1 and 6/1	
O	Dime	46	7/10 = 0.7	3:5 and 3/5	
P	8 (Blue) cubes On bottom	Ally had 33 cupcakes.	5 x 4 = 20 4 x 5 = 20 20 ÷ 5 = 4 20 ÷4 = 5	x = 3	
Q	9 (red) ovals on right	12 cupcakes were not eaten.	24	x = 9	
R	10 (red) hearts on left	17 cupcakes were left.	5	x = 9	
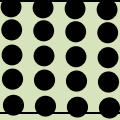
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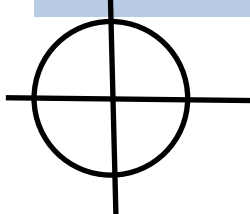| Problem Letter	🐕 (pink)	✏️ (blue)	🐟 (green)	🦉 (yellow)	
A	ate 14 ants	$8 + 7 = 15$ $7 + 8 = 15$ $15 - 7 = 8$ $15 - 8 = 7$	0.8	$6\frac{1}{4}$ or 6.25	
B	4 eggs were not broken	$5 + 7 = 12$ $7 + 5 = 12$ $12 - 7 = 5$ $12 - 5 = 7$	0.80	$\frac{2}{4}$ or 0.5 cups	
C	7 brown eggs	$8 + 9 = 17$ $9 + 8 = 17$ $17 - 9 = 8$ $17 - 8 = 9$	0.08	$423,294,920.10	
D	Shows 10 counters and Number 10	38	8	2134.448	
E	Shows 15 counters and Number 15	23	63	$7400 down payment	
F	Shows 12 counters and Number 12	38	49	10% water	
G	Dime	17	156 flowers	$48.50 tax	
H	Penny	$4 + 6 = 10$	5 eggs	$32.67 late fee	
I	Dime	$3 + 7 = 10$	21 pounds	$375 earned	
J	2 pieces are the same size, fair share	Path B is longer.	$4 \frac{3}{4}$	$39.64 interest	
K	Attempts to cut card or paper in 2 equal pieces	Path A is shorter	$9 \frac{1}{3}$	$12.20 tip	
L	Halves OR 1 out of 2 equal pieces	A is shorter than B. B is longer than A.	$99 \frac{2}{4}$	25% tip	
M	13 drops of water	49 jelly beans	See 8x4=32 facts below	no. labels flipped	
N	3 thorns	35 fewer	See 6x9=54 facts below	yes. equivalent fractions (scale factor of (x6)	
O	10 miles	52 miles	See 7x8=56 facts below	60 students:1 bus	
P	Set of 5 counters Set of 8 counters Mouse had more (3 more)	18 more	Equivalent to 1/3 can be 2/6 or 3/9 or 4/12....	30 notes hit $\frac{10}{11} = \frac{20}{22} = \frac{30}{33}$	
Q	Set of 12 counters Set of 11 counters Lion saw more 1 more	31 bananas	Equivalent to 1/2 can be 2/4 or 3/6 or 4/8....	$\frac{17}{12}$ or $1\frac{5}{12}$	
R	Set of 12 counters Set of 13 counters Mouse saw more 1 more	28 times	Equivalent to 1/4 can be 2/8 or 3/12 or 4/16....	$4\frac{1}{8}$	

__M__	__N__	__O__
8 x 4 = 32	6 x 9 = 54	7 x 8 = 56
4 x 8 = 32	9 x 6 = 54	8 x 7 = 56
32 ÷8 = 4	54 ÷ 9 = 6	56 ÷ 8 = 7
32 ÷ 4 = 8	54 ÷ 6 = 9	56 ÷ 7 = 8

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A	15 beans counted Number Card 15	$2 + 8 = 10$	$79.99	Make all decimals: $18.3 + 6.4 - 24.5$ r make all fractions: $24.5 = 24\ 5/10$ Solution: 0.2 or 2/10	
B	9 beans counted Number Card 9	$1 + 9 = 10$	5/10 or 1/2 (or any equivalent fraction	Make all decimals or fractions, then add. 8.25 or $8\frac{1}{4}$	
C	10 beans counted Number Card 10	$7 + 9 = 16$ $9 + 7 = 16$ $16 - 9 = 7$ $16 - 7 = 9$	$1/3 = 4/12$ $1/4 = 3/12$ least= 1 1/3	$0.01	
D	2 cicadas	$8 + 7 = 15$ $7 + 8 = 15$ $15 - 7 = 8$ $15 - 8 = 7$		1,111,111,110	
E	8 mice	$12 + 11 = 23$ 23 miles	63	54.657 grams salt	
F	9 leaves	$15 + 9 = 24$ He read 24 books	7 groups of balloons	11.92% chemical B	
G	PPenny	14	5 pennies per stack	$27.45 tax	
H	Dime	17	30 muffins	$350 tip	
I	Penny	13	0.02	$90 interest	
J	Top bar is more	one fourth OR One out of 4 equal pieces	0.75	$230 charged	
K	set of 9 dots is more	3 friends + me = 4 See circle below	See number line below	3 cups cashews	
L	Bar on left is more	Lucy ate 4 cookies.	8.99	10% tip	
M	Attempts to cut card or paper into approximately 2 equal pieces	$12 - 8 = 4$ Bob walked 4 miles.	$1/4 = 0.4$	False. Green uses (x **5**) to get 45, but Blue uses (x **4**) to get 40. The scale factors are different.	
N	Halves, or 1 out of 2 equal pieces	7	0.07	True. The scale factor is the same for both pounds & dollars: (÷4) or (x $\frac{1}{4}$)	
O	Both pieces are the same size	17		1200 cotton balls in 1 bag	
P	7 flowers	65		She would deliver 48 babies in 8 shifts	
Q	4 flowers	80		12/12 or 1 whole	
R	0 frogs	85		Use 15 for the denominator and subtract for the solution = $2\frac{7}{15}$	

K. Fair Share for 3 friends and me

K. Number Line: