St. George's Day Mental Calculations Mosaic

Solve the calculations to reveal the hidden picture. Each answer has a special colour.

Green = 200–299　|　**Red** = 300–399　|　**Black** = 400–499　|　**Blue** = 500–599

999 – 400	199 + 400	499 – 100	654 – 100	735 – 400	654 – 60	295 + 300	495 + 8	800 – 300
156 + 400	467 + 60	199 + 6	75 + 200	468 – 200	567 – 60	503 + 10	472 + 50	91 + 200
398 + 200	503 – 300	472 – 50	652 – 400	503 – 10	118 + 100	250 + 300	340 + 6	265 + 3
150 + 60	395 – 100	253 + 30	154 + 80	278 + 20	278 + 30	620 – 100	265 + 300	265 + 30
398 +100	393 – 100	850 – 600	324 – 50	349 + 40	320 + 200	620 – 40	400 – 8	300 – 80
208 + 70	419 + 60	600 – 1	297 – 50	600 – 10	856 – 500	856 – 300	370 + 200	300 – 8
485 + 60	915 – 400	499 + 20	199 + 10	310 – 50	965 – 700	804 – 600	187 + 20	96 + 200
85 + 500	600 – 40	253 + 30	451 – 200	227 + 5	601 – 400	27 + 200	352 – 70	452 + 70
500 + 70	817 – 600	523 + 30	970 – 700	227 + 300	285 – 4	735 – 200	265 + 30	265 + 300
617 – 20	600 – 7	109 + 400	495 – 200	495 + 20	285 – 40	227 + 300	265 + 3	336 + 200

Challenge: Use inverse operations to write the related additions for these subtraction facts. Explain how you calculated the inverse.

856 – 500 = 356　　　　　　503 – 10 = 493　　　　　　324 – 50 = 274

St. George's Day Mental Calculations Mosaic

Solve the calculations to reveal the hidden picture. Each answer has a special colour.

Green = 200–299 | **Red** = 300–399 | **Black** = 400–499 | **Blue** = 500–599

999 – 400	199 + 400	499 – 100	654 – 100	735 – 400	654 – 60	295 + 300	495 + 8	800 – 300
156 + 400	467 + 60	199 + 6	75 + 200	468 – 200	567 – 60	503 + 10	472 + 50	91 + 200
398 + 200	503 – 300	472 – 50	652 – 400	503 – 10	118 + 100	250 + 300	340 + 6	265 + 3
150 + 60	395 – 100	253 + 30	154 + 80	278 + 20	278 + 30	620 – 100	265 + 300	265 + 30
398 +100	393 – 100	850 – 600	324 – 50	349 + 40	320 + 200	620 – 40	400 – 8	300 – 80
208 + 70	419 + 60	600 – 1	297 – 50	600 – 10	856 – 500	856 – 300	370 + 200	300 – 8
485 + 60	915 – 400	499 + 20	199 + 10	310 – 50	965 – 700	804 – 600	187 + 20	96 + 200
85 + 500	600 – 40	253 + 30	451 – 200	227 + 5	601 – 400	27 + 200	352 – 70	452 + 70
500 + 70	817 – 600	523 + 30	970 – 700	227 + 300	285 – 4	735 – 200	265 + 30	265 + 300
617 – 20	600 – 7	109 + 400	495 – 200	495 + 20	285 – 40	227 + 300	265 + 3	336 + 200

Challenge: Use inverse operations to write the related additions for these subtraction facts. Explain how you calculated the inverse.

856 – 500 = 356

356 + 500 = 856

500 + 356 = 856

503 – 10 = 493

493 + 10 = 503

10 + 493 = 503

324 – 50 = 274

274 + 50 = 324

50 + 274 = 324

St. George's Day Mental Calculations Mosaic

Solve the calculations to reveal the hidden picture. Each answer has a special colour.

Red = 200–299	Black = 300–399	Skin tone = 400–499	Brown = 500–599	Light blue = 600–699	Grey = 700 – 799

789 – 100	456 + 200	559 + 60	856 – 200	458 + 300	155 + 70	156 + 500	598 + 50	425 + 200
598 + 5	704 – 9	256 + 400	600 + 8	900 – 500	852 – 200	852 – 600	246 – 20	240 + 400
600 + 40	227 + 300	585 + 50	643 + 6	643 + 60	743 – 60	953 – 300	56 + 600	612 + 80
600 – 40	400 – 6	485 + 60	485 + 300	962 – 200	632 + 60	804 – 200	718 – 30	604 – 2
156 + 400	467 + 60	85 + 500	780 – 90	555 + 200	555 + 100	951 – 300	351 + 300	893 – 200
370 + 200	370 + 300	500 + 70	999 – 400	973 – 200	452 + 70	295 + 300	365 + 20	138 + 200
20 + 612	617 – 2	617 – 20	156 + 400	380 – 50	265 + 300	503 + 10	200 + 406	290 + 20
872 – 200	107 + 500	472 + 50	398 + 200	320 + 200	620 – 40	250 + 300	764 – 100	150 + 200
139 + 500	523 + 90	523 + 30	237 + 400	695 – 80	562 + 50	620 – 100	520 + 100	328 + 7
380 + 300	593 + 20	109 + 400	150 + 500	997 – 300	725 – 60	620 – 40	620 + 40	640 + 20

Challenge: Which of these calculations is incorrect? Explain your reasoning.

593 + 30 = 623   452 + 70 = 522   718 – 30 = 682

St. George's Day Mental Calculations Mosaic

Solve the calculations to reveal the hidden picture. Each answer has a special colour.

Red = 200–299	Black = 300–399	Skin tone = 400–499	Brown = 500–599	Light blue = 600–699	Grey = 700–799

789 – 100	456 + 200	559 + 60	856 – 200	458 + 300	155 + 70	156 + 500	598 + 50	425 + 200
598 + 5	704 – 9	256 + 400	600 + 8	900 – 500	852 – 200	852 – 600	246 – 20	240 + 400
600 + 40	227 + 300	585 + 50	643 + 6	643 + 60	743 – 60	953 – 300	56 + 600	612 + 80
600 – 40	400 – 6	485 + 60	485 + 300	962 – 200	632 + 60	804 – 200	718 – 30	604 – 2
156 + 400	467 + 60	85 + 500	780 – 90	555 + 200	555 + 100	951 – 300	351 + 300	893 – 200
370 + 200	370 + 300	500 + 70	999 – 400	973 – 200	452 + 70	295 + 300	365 + 20	138 + 200
20 + 612	617 – 2	617 – 20	156 + 400	380 – 50	265 + 300	503 + 10	200 + 406	290 + 20
872 – 200	107 + 500	472 + 50	398 + 200	320 + 200	620 – 40	250 + 300	764 – 100	150 + 200
139 + 500	523 + 90	523 + 30	237 + 400	695 – 80	562 + 50	620 – 100	520 + 100	328 + 7
380 + 300	593 + 20	109 + 400	150 + 500	997 – 300	725 – 60	620 – 40	620 + 40	640 + 20

Challenge: Which of these calculations is incorrect? Explain your reasoning.

593 + 30 = 623   452 + 70 = 522   718 – 30 = 682

718 – 30 = 682 is incorrect. The answer should be 688. Reasons could include showing that 682 + 30 does not equal 718.

St. George's Day Mental Calculations Mosaic

Solve the calculations to reveal the hidden picture. Each answer has a special colour.

Black = less than 100	**Green** = 100–249	**Skin tone** = 250–399	**Light grey** = 400–549	**Dark grey** = 550–699	**White** = 700–849	**Red** = 850–999

175 – 60	259 – 30	199 + 6	485 + 60	900 – 500	503 – 10	87 + 60	852 – 700	155 + 70
293 – 100	121 + 100	472 – 50	203 – 200	237 + 30	104 – 8	962 – 500	419 – 300	419 – 200
121 + 70	666 – 500	915 – 400	905 – 600	990 – 100	572 – 200	452 + 70	252 – 7	98 + 5
60 + 40	68 + 40	154 + 80	227 + 300	282 + 6	467 + 60	118 + 100	156 – 50	293 – 50
263 – 100	263 – 20	109 + 400	495 + 20	900 – 500	458 + 300	186 + 800	934 – 100	115 + 90
87 + 90	398 +100	246 – 20	495 + 8	800 – 300	85 + 800	826 + 40	38 + 900	372 – 200
336 – 200	336 + 200	702 – 8	320 + 200	575 – 40	962 – 200	900 – 40	684 + 20	84 + 20
111 – 6	546 + 30	596 – 20	432 + 200	675 – 100	834 – 200	907 + 5	601 – 400	184 + 20
285 – 40	297 – 50	542 + 9	592 – 60	503 – 300	370 + 80	187 + 20	27 + 200	95 + 100
199 + 10	817 – 600	599 – 50	419 + 60	150 + 60	550 – 5	620 – 100	227 + 5	804 – 600

Challenge: Are these calculations true or false? Explain your reasoning.

297 – 50 = 187 + 60

352 – 80 = 582 – 300

184 + 20 > 199 + 6

St. George's Day Mental Calculations Mosaic

Solve the calculations to reveal the hidden picture. Each answer has a special colour.

Black = less than 100	Green = 100–249	Skin tone = 250–399	Light grey = 400–549	Dark grey = 550–699	White = 700–849	Red = 850–999

175 – 60	259 – 30	199 + 6	485 + 60	900 – 500	503 – 10	87 + 60	852 – 700	155 + 70	
293 – 100	121 + 100	472 – 50	203 – 200	237 + 30	104 – 8	962 – 500	419 – 300	419 – 200	
121 + 70	666 – 500	915 – 400	905 – 600	990 – 100	572 – 200	452 + 70	252 – 7	98 + 5	
60 + 40	68 + 40	154 + 80	227 + 300	282 + 6	467 + 60	118 + 100	156 – 50	293 – 50	
263 – 100	263 – 20	109 + 400	495 + 20	900 – 500	458 + 300	186 + 800	934 – 100	115 + 90	
87 + 90	398 +100	246 – 20	495 + 8	800 – 300	85 + 800	826 + 40	38 + 900	372 – 200	
336 – 200	336 + 200	702 – 8	320 + 200	575 – 40	962 – 200	900 – 40	684 + 20	84 + 20	
111 – 6	546 + 30	596 – 20	432 + 200	675 – 100	834 – 200	907 + 5	601 – 400	184 + 20	
285 – 40	297 – 50	542 + 9	592 – 60	503 – 300	370 + 80	187 + 20	27 + 200	95 + 100	
199 + 10	817 – 600	599 – 50	419 + 60	150 + 60	550 – 5	620 – 100	227 + 5	804 – 600	

Challenge: Are these calculations true or false? Explain your reasoning.

297 – 50 = 187 + 60 **True. 297 – 50 equals 247, and 187 + 60 also equals 247.**

352 – 80 = 582 – 300 **False. 352 – 80 equals 272, whereas 582 – 300 equals 282.**

184 + 20 > 199 + 6 **False. 184 + 20 = 204, 199 + 6 = 205, and 204 < 205.**