

# Pirate Themed Mental Calculations Mosaic

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

Red =  
100 - 249

Skin colour of  
your choice =  
250 - 399

Blue =  
400 - 549

Black =  
550 - 699

Brown =  
700 - 849

Purple =  
850 - 999

$399 + 6$	$426 + 7$	$548 + 6$	$652 - 4$	$558 - 7$	$704 - 9$	$607 + 8$	$425 + 6$	$521 + 7$
$501 + 8$	$544 + 9$	$562 + 8$	$614 - 7$	$685 - 2$	$703 - 8$	$556 + 8$	$562 + 1$	$495 + 9$
$614 + 8$	$617 - 5$	$627 - 6$	$658 + 9$	$692 - 6$	$569 + 9$	$578 + 3$	$558 + 2$	$674 - 4$
$456 + 5$	$553 - 7$	$246 + 8$	$295 - 7$	$401 - 5$	$354 + 6$	$278 + 6$	$541 + 2$	$449 + 4$
$396 + 7$	$295 - 4$	$301 - 5$	$550 - 1$	$307 + 8$	$589 + 9$	$352 + 4$	$256 - 5$	$475 + 6$
$458 + 5$	$697 + 5$	$267 - 5$	$345 - 8$	$378 + 4$	$403 - 9$	$256 + 2$	$752 + 6$	$450 + 2$
$520 + 2$	$851 - 4$	$345 + 7$	$252 - 4$	$199 + 6$	$208 - 6$	$395 + 4$	$703 + 7$	$540 + 9$
$391 + 9$	$456 + 7$	$698 + 2$	$760 - 5$	$752 + 4$	$851 - 3$	$827 + 8$	$399 + 2$	$540 - 9$
$465 + 3$	$848 + 4$	$994 + 2$	$951 - 4$	$892 + 7$	$925 + 6$	$887 + 8$	$942 - 7$	$551 - 2$
$849 + 7$	$946 + 6$	$901 - 3$	$888 + 8$	$999 - 9$	$975 + 8$	$962 - 9$	$992 - 6$	$969 + 9$

**Extra Challenge:** Which of the following calculations is incorrect? Explain your reason.

$$458 + 5 = 463$$

$$851 - 3 = 847$$

$$449 + 4 = 453$$

# Pirate Themed Mental Calculations Mosaic Answers

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

Red = 100 - 249	Skin colour of your choice = 250 - 399	Blue = 400 - 549	Black = 550 - 699	Brown = 700 - 849	Purple = 850 - 999
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Choice of skin tone will vary.

399 + 6	426 + 7	548 + 6	652 - 4	558 - 7	704 - 9	607 + 8	425 + 6	521 + 7
501 + 8	544 + 9	562 + 8	614 - 7	685 - 2	703 - 8	556 + 8	562 + 1	495 + 9
614 + 8	617 - 5	627 - 6	658 + 9	692 - 6	569 + 9	578 + 3	558 + 2	674 - 4
456 + 5	553 - 7	246 + 8	295 - 7	401 - 5	354 + 6	278 + 6	541 + 2	449 + 4
396 + 7	295 - 4	301 - 5	550 - 1	307 + 8	589 + 9	352 + 4	256 - 5	475 + 6
458 + 5	697 + 5	267 - 5	345 - 8	378 + 4	403 - 9	256 + 2	752 + 6	450 + 2
520 + 2	851 - 4	345 + 7	252 - 4	199 + 6	208 - 6	395 + 4	703 + 7	540 + 9
391 + 9	456 + 7	698 + 2	760 - 5	752 + 4	851 - 3	827 + 8	399 + 2	540 - 9
465 + 3	848 + 4	994 + 2	951 - 4	892 + 7	925 + 6	887 + 8	942 - 7	551 - 2
849 + 7	946 + 6	901 - 3	888 + 8	999 - 9	975 + 8	962 - 9	992 - 6	969 + 9

**Extra Challenge:** Which of the following calculations is incorrect? Explain your reason.

$$458 + 5 = 463$$

$$851 - 3 = 847$$

$$449 + 4 = 453$$

**851 - 3 = 847 is incorrect. The answer should be 848 because 850 - 3 = 847**

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Black =  
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Grey =  
400 - 549

Yellow =  
550 - 699

Blue =  
700 - 849

Green =  
850 - 999

$720 + 80$	$659 + 80$	$452 + 60$	$621 - 90$	$551 - 40$	$888 - 60$	$909 - 90$	$987 - 50$	$900 - 60$
$777 + 40$	$892 - 60$	$395 + 20$	$666 + 60$	$408 + 80$	$627 + 90$	$792 + 60$	$812 + 90$	$915 - 50$
$782 + 60$	$689 + 80$	$509 + 30$	$783 - 60$	$399 + 60$	$818 - 80$	$914 - 90$	$245 + 60$	$741 + 80$
$784 - 40$	$751 + 50$	$809 + 30$	$879 - 30$	$606 - 80$	$852 - 70$	$678 + 90$	$412 - 70$	$743 - 30$
$707 + 70$	$808 - 80$	$752 + 70$	$815 + 10$	$512 + 20$	$766 + 50$	$694 + 40$	$298 + 30$	$794 - 50$
$725 - 60$	$548 + 60$	$589 + 90$	$529 + 20$	$460 - 60$	$452 + 90$	$717 - 70$	$527 + 80$	$747 - 60$
$707 - 80$	$478 + 80$	$214 + 60$	$314 - 30$	$299 - 20$	$415 - 60$	$324 + 20$	$487 + 70$	$521 + 60$
$479 + 80$	$573 + 80$	$384 + 10$	$401 - 20$	$222 + 60$	$333 + 60$	$234 + 50$	$555 + 80$	$788 - 90$
$718 - 20$	$551 + 30$	$345 + 20$	$369 - 50$	$344 - 80$	$409 - 40$	$244 + 60$	$607 - 30$	$712 - 40$
$506 + 60$	$706 - 60$	$156 + 20$	$208 - 40$	$322 - 80$	$156 + 60$	$127 + 60$	$549 + 10$	$702 - 10$

**Extra Challenge:** Use the inverse operation to write a related fact for each calculation.

$$548 + 60 = 608$$

$$788 - 90 = 698$$

# Pirate Themed Mental Calculations Mosaic **Answers**

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

Black =  
**100 - 249**

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**250 - 399**

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**400 - 549**

Yellow =  
**550 - 699**

Blue =  
**700 - 849**

Green =  
**850 - 999**

720 + 80	659 + 80	452 + 60	621 - 90	551 - 40	888 - 60	909 - 90	987 - 50	900 - 60
777 + 40	892 - 60	395 + 20	666 + 60	408 + 80	627 + 90	792 + 60	812 + 90	915 - 50
782 + 60	689 + 80	509 + 30	783 - 60	399 + 60	818 - 80	914 - 90	245 + 60	741 + 80
784 - 40	751 + 50	809 + 30	879 - 30	606 - 80	852 - 70	678 + 90	412 - 70	743 - 30
707 + 70	808 - 80	752 + 70	815 + 10	512 + 20	766 + 50	694 + 40	298 + 30	794 - 50
725 - 60	548 + 60	589 + 90	529 + 20	460 - 60	452 + 90	717 - 70	527 + 80	747 - 60
707 - 80	478 + 80	214 + 60	314 - 30	299 - 20	415 - 60	324 + 20	487 + 70	521 + 60
479 + 80	573 + 80	384 + 10	401 - 20	222 + 60	333 + 60	234 + 50	555 + 80	788 - 90
718 - 20	551 + 30	345 + 20	369 - 50	344 - 80	409 - 40	244 + 60	607 - 30	712 - 40
506 + 60	706 - 60	156 + 20	208 - 40	322 - 80	156 + 60	127 + 60	549 + 10	702 - 10

**Extra Challenge:** Use the inverse operation to write a related fact for each calculation.

548 + 60 = 608    **608 - 60 = 548 or 608 - 548 = 60**

788 - 90 = 698    **698 + 90 = 788 or 90 + 698 = 788**

# Pirate Themed Mental Calculations Mosaic

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

Black = 0 - 99    White = 100 - 249    Blue = 250 - 399    Yellow = 400 - 549    Green = 550 - 699    Red = 700 - 849    Purple = 850 - 999

$784 - 500$	$118 + 200$	$306 + 400$	$915 - 200$	$142 + 600$	$708 - 400$	$884 - 500$	$763 - 500$	$624 - 300$
$226 + 100$	$219 + 500$	$823 - 123$	$362 - 200$	$105 + 100$	$456 + 300$	$691 - 400$	$509 - 200$	$799 - 400$
$918 - 600$	$256 + 200$	$598 - 100$	$763 - 700$	$622 - 400$	$879 - 100$	$139 + 200$	$807 - 500$	$992 - 600$
$571 - 300$	$711 - 300$	$322 + 200$	$749 - 500$	$117 + 100$	$542 + 200$	$582 - 300$	$792 - 500$	$248 + 100$
$111 + 200$	$999 - 500$	$442 - 400$	$604 + 100$	$422 + 400$	$482 + 300$	$211 + 600$	$544 - 200$	$676 - 400$
$678 - 300$	$826 - 500$	$206 + 100$	$518 + 200$	$615 + 200$	$983 - 200$	$506 + 300$	$164 + 200$	$711 - 400$
$867 - 600$	$951 - 700$	$420 + 300$	$908 - 200$	$637 + 200$	$159 + 400$	$981 - 400$	$147 + 600$	$159 + 100$
$706 - 400$	$854 - 600$	$662 + 100$	$384 + 400$	$925 - 300$	$213 + 400$	$156 + 400$	$465 + 500$	$764 - 400$
$158 + 200$	$573 - 200$	$876 - 100$	$523 + 300$	$279 + 400$	$869 - 200$	$256 + 300$	$274 + 700$	$958 - 100$
$661 - 400$	$750 - 500$	$591 + 200$	$849 - 100$	$139 + 500$	$313 + 300$	$875 - 300$	$188 + 700$	$466 + 500$

**Extra Challenge:** Are these statements true or false?

$$211 + 600 > 523 + 300$$

$$951 - 700 < 676 - 400$$

# Pirate Themed Mental Calculations Mosaic **Answers**

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

Black = 0 - 99	White = 100 - 249	Blue = 250 - 399	Yellow = 400 - 549	Green = 550 - 699	Red = 700 - 849	Purple = 850 - 999
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784 - 500	118 + 200	306 + 400	915 - 200	142 + 600	708 - 400	884 - 500	763 - 500	624 - 300
226 + 100	219 + 500	823 - 123	362 - 200	105 + 100	456 + 300	691 - 400	509 - 200	799 - 400
918 - 600	256 + 200	598 - 100	763 - 700	622 - 400	879 - 100	139 + 200	807 - 500	992 - 600
571 - 300	711 - 300	322 + 200	749 - 500	117 + 100	542 + 200	582 - 300	792 - 500	248 + 100
111 + 200	999 - 500	442 - 400	604 + 100	422 + 400	482 + 300	211 + 600	544 - 200	676 - 400
678 - 300	826 - 500	206 + 100	518 + 200	615 + 200	983 - 200	506 + 300	164 + 200	711 - 400
867 - 600	951 - 700	420 + 300	908 - 200	637 + 200	159 + 400	981 - 400	147 + 600	159 + 100
706 - 400	854 - 600	662 + 100	384 + 400	925 - 300	213 + 400	156 + 400	465 + 500	764 - 400
158 + 200	573 - 200	876 - 100	523 + 300	279 + 400	869 - 200	256 + 300	274 + 700	958 - 100
661 - 400	750 - 500	591 + 200	849 - 100	139 + 500	313 + 300	875 - 300	188 + 700	466 + 500

**Extra Challenge:** Are these statements true or false?

$211 + 600 > 523 + 300$  **False**

$951 - 700 < 676 - 400$  **True**