

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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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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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.

$$548 + 60 = 608$$

$$788 - 90 = 698$$

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

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

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 $90 + 698 = 788$**

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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?

$$211 + 600 > 523 + 300$$

$$951 - 700 < 676 - 400$$

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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**