

Pirate-Themed Mental Calculations Mosaic

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

Red = 1000-2499	Skin colour of your choice = 2500-3999	Blue = 4000-5499	Black = 5500-6999	Brown = 7000-8499	Purple = 8500-9999
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3997 + 60	4265 + 70	5488 + 60	6526 - 40	5587 - 70	7044 - 90	6071 + 80	4250 + 60	5217 + 70
5018 + 80	5444 + 90	5629 + 80	6143 - 70	6857 - 20	7033 - 80	5567 + 80	5625 + 10	4954 + 90
6146 + 80	6177 - 50	6271 - 60	6585 + 90	6927 - 60	5693 + 90	5782 + 30	5587 + 20	6748 - 40
4569 + 50	5534 - 70	2468 + 80	2956 - 70	4017 - 50	3541 + 60	2787 + 60	5413 + 20	4499 + 40
3963 + 70	2957 - 40	3016 - 50	5504 - 10	3078 + 80	5892 + 90	3520 + 40	2567 - 50	4755 + 60
4585 + 50	6971 + 50	2676 - 50	3455 - 80	3783 + 40	4037 - 90	2560 + 20	7526 + 60	4508 + 20
5206 + 20	8512 - 40	3453 + 70	2527 - 40	1999 + 60	2087 - 60	3953 + 40	7037 + 70	5408 + 90
3914 + 90	4567 + 70	6982 + 20	8501 - 50	7524 + 40	8516 - 30	8274 + 80	3990 + 20	5400 - 90
4657 + 30	8486 + 40	9945 +20	9514 - 40	8921 + 70	9254 + 60	8878 + 80	9426 - 70	5514 - 20
8498 + 70	9466 + 60	9014 - 30	8889 + 80	9998 - 90	9754 + 80	9620 - 90	9927 - 60	9694 + 90

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

$$4584 + 50 = 4634$$

$$8513 - 30 = 8473$$

$$4499 + 40 = 4539$$

Pirate-Themed Mental Calculations Mosaic **Answers**

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

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Choice of skin tone will vary

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

$$4584 + 50 = 4634$$

$$8513 - 30 = 8473$$

$$4499 + 40 = 4539$$

8513 - 30 = 8473 is incorrect. The answer should be 8483.

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Black = 1000-2499	Brown = 2500-3999	Grey = 4000-5499	Yellow = 5500-6999	Blue = 7000-8499	Green = 8500-9999
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7204 + 89	6991 + 81	4526 + 69	5217 - 99	5517 - 41	8486 - 69	8539 - 91	9877 - 59	7900 - 61
7777 + 49	8526 - 61	3953 + 69	6968 + 39	4083 + 81	7278 + 99	8926 + 61	8412 + 91	9150 - 51
7826 + 69	6989 + 19	5095 + 39	7834 - 29	3993 + 79	8186 - 81	8414 - 69	2456 + 89	7412 + 81
7842 - 49	7517 + 51	8096 + 31	8278 - 39	4606 - 89	8512 - 71	6978 + 89	4012 - 71	7433 - 39
7077 + 69	8086 - 81	7522 + 71	8155 + 19	5122 + 29	7661 + 59	6994 + 49	2983 + 39	7940 - 51
7053 - 61	5486 + 69	5989 + 91	5294 + 19	4670 - 21	4525 + 19	7002 - 69	5475 + 31	7047 - 49
7007 - 81	5786 + 89	2414 + 99	3148 - 29	2991 - 49	4015 - 61	3246 + 29	5687 + 79	5621 + 41
5479 + 81	5733 + 69	3847 + 19	4001 - 59	2722 + 31	3033 + 61	2834 + 59	5555 + 81	7006 - 99
7018 - 21	5516 + 39	3456 + 21	3690 - 59	3544 - 81	4036 - 41	2544 + 61	6017 - 29	6712 - 41
5806 + 69	7044 - 49	1567 + 19	2084 - 49	2322 - 81	1568 + 61	1275 + 39	5496 + 11	7002 - 11

Extra Challenge: Are these statements true or false?

$$2117 + 59 > 2223 - 89$$

$$9486 + 99 < 9568 - 71$$

Pirate-Themed Mental Calculations Mosaic **Answers**

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

Black = 1000-2499	Brown = 2500-3999	Grey = 4000-5499	Yellow = 5500-6999	Blue = 7000-8499	Green = 8500-9999
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7777 + 49	8526 - 61	3953 + 69	6968 + 39	4083 + 81	7278 + 99	8926 + 61	8412 + 91	9150 - 51
7826 + 69	6989 + 19	5095 + 39	7834 - 29	3993 + 79	8186 - 81	8414 - 69	2456 + 89	7412 + 81
7842 - 49	7517 + 51	8096 + 31	8278 - 39	4606 - 89	8512 - 71	6978 + 89	4012 - 71	7433 - 39
7077 + 69	8086 - 81	7522 + 71	8155 + 19	5122 + 29	7661 + 59	6994 + 49	2983 + 39	7940 - 51
7053 - 61	5486 + 69	5989 + 91	5294 + 19	4670 - 21	4525 + 19	7002 - 69	5475 + 31	7047 - 49
7007 - 81	5786 + 89	2414 + 99	3148 - 29	2991 - 49	4015 - 61	3246 + 29	5687 + 79	5621 + 41
5479 + 81	5733 + 69	3847 + 19	4001 - 59	2722 + 31	3033 + 61	2834 + 59	5555 + 81	7006 - 99
7018 - 21	5516 + 39	3456 + 21	3690 - 59	3544 - 81	4036 - 41	2544 + 61	6017 - 29	6712 - 41
5806 + 69	7044 - 49	1567 + 19	2084 - 49	2322 - 81	1568 + 61	1275 + 39	5496 + 11	7002 - 11

Extra Challenge: Are these statements true or false?

$2117 + 59 > 2223 - 89$ **True, 2176 is greater than 2134**

$9486 + 99 < 9568 - 71$ **False, 9585 is not less than 9497**

Pirate-Theed Mental Calculations Mosaic

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

Black = 0-2.0	White = 2.1-4.0	Blue = 4.1-6.0	Yellow = 6.1-8.0	Green = 8.1-10.0	Red = 10.1-12.0	Purple = 12.1-16.0
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$1.5 + 3.2$	$9.2 - 4.4$	$12.3 - 2.1$	$16.4 - 5.1$	$20.0 - 8.8$	$3.5 + 2.1$	$6.4 - 1.8$	$7.5 - 3.2$	$14.5 - 10.1$
$2.4 + 3.1$	$17.6 - 6.2$	$11.3 + 0.5$	$3.6 + 0.2$	$1.8 + 1.9$	$9.7 + 0.8$	$7.4 - 2.8$	$5.8 - 1.4$	$3.1 + 2.4$
$6.0 - 1.1$	$3.7 + 3.9$	$5.6 + 2.2$	$7.6 - 6.2$	$4.2 - 1.6$	$5.7 + 5.2$	$4.7 + 1.2$	$2.9 + 2.9$	$7.5 - 2.8$
$4.1 + 1.5$	$10.5 - 2.8$	$4.7 + 3.3$	$8.4 - 4.6$	$3.7 - 1.1$	$6.5 + 5.1$	$5.4 - 0.9$	$2.0 + 3.7$	$6.5 - 1.4$
$9.6 - 5.2$	$9.9 - 2.2$	$1.3 + 0.5$	$19.8 - 7.9$	$18.4 - 8.2$	$12.1 - 1.3$	$14.3 - 3.2$	$3.8 + 0.9$	$8.1 - 3.7$
$10.8 - 6.3$	$2.7 + 1.4$	$1.2 + 3.9$	$11.1 + 0.8$	$12.6 - 1.7$	$14.3 - 2.6$	$10.1 + 1.8$	$1.4 + 3.7$	$2.8 + 3.2$
$2.2 + 3.3$	$1.9 + 3.5$	$4.6 + 7.2$	$3.9 + 6.8$	$17.5 - 6.8$	$6.3 + 3.7$	$12.5 - 3.4$	$16.5 - 4.6$	$2.9 + 1.1$
$4.2 + 1.4$	$1.7 + 2.5$	$14.3 - 2.5$	$2.3 + 8.4$	$5.5 + 4.2$	$11.5 - 2.7$	$10.0 - 1.4$	$8.4 + 4.2$	$8.4 - 2.8$
$6.1 - 1.2$	$8.4 - 3.7$	$9.2 + 2.5$	$5.4 + 6.5$	$7.4 + 0.9$	$6.2 + 2.1$	$7.2 + 0.9$	$16.6 - 3.4$	$9.3 + 4.4$
$18.3 - 14.1$	$1.1 + 4.7$	$8.2 + 1.9$	$9.2 + 2.1$	$2.5 + 7.2$	$6.8 + 2.3$	$10.7 - 2.5$	$20.0 - 6.2$	$14.8 + 0.9$

Extra Challenge: Which calculation is the odd one out? Explain your reason.

$14.8 + 0.9 = 15.7$

$9.2 - 2.5 = 6.7$

$2.3 + 6.4 = 8.7$

$12.1 - 1.3 = 10.8$

Pirate-Themed Mental Calculations Mosaic **Answers**

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

Black =	White =	Blue =	Yellow =	Green =	Red =	Purple =
0-2.0	2.1-4.0	4.1-6.0	6.1-8.0	8.1-10.0	10.1-12.0	12.1-16.0

$1.5 + 3.2$	$9.2 - 4.4$	$12.3 - 2.1$	$16.4 - 5.1$	$20.0 - 8.8$	$3.5 + 2.1$	$6.4 - 1.8$	$7.5 - 3.2$	$14.5 - 10.1$
$2.4 + 3.1$	$17.6 - 6.2$	$11.3 + 0.5$	$3.6 + 0.2$	$1.8 + 1.9$	$9.7 + 0.8$	$7.4 - 2.8$	$5.8 - 1.4$	$3.1 + 2.4$
$6.0 - 1.1$	$3.7 + 3.9$	$5.6 + 2.2$	$7.6 - 6.2$	$4.2 - 1.6$	$5.7 + 5.2$	$4.7 + 1.2$	$2.9 + 2.9$	$7.5 - 2.8$
$4.1 + 1.5$	$10.5 - 2.8$	$4.7 + 3.3$	$8.4 - 4.6$	$3.7 - 1.1$	$6.5 + 5.1$	$5.4 - 0.9$	$2.0 + 3.7$	$6.5 - 1.4$
$9.6 - 5.2$	$9.9 - 2.2$	$1.3 + 0.5$	$19.8 - 7.9$	$18.4 - 8.2$	$12.1 - 1.3$	$14.3 - 3.2$	$3.8 + 0.9$	$8.1 - 3.7$
$10.8 - 6.3$	$2.7 + 1.4$	$1.2 + 3.9$	$11.1 + 0.8$	$12.6 - 1.7$	$14.3 - 2.6$	$10.1 + 1.8$	$1.4 + 3.7$	$2.8 + 3.2$
$2.2 + 3.3$	$1.9 + 3.5$	$4.6 + 7.2$	$3.9 + 6.8$	$17.5 - 6.8$	$6.3 + 3.7$	$12.5 - 3.4$	$16.5 - 4.6$	$2.9 + 1.1$
$4.2 + 1.4$	$1.7 + 2.5$	$14.3 - 2.5$	$2.3 + 8.4$	$5.5 + 4.2$	$11.5 - 2.7$	$10.0 - 1.4$	$8.4 + 4.2$	$8.4 - 2.8$
$6.1 - 1.2$	$8.4 - 3.7$	$9.2 + 2.5$	$5.4 + 6.5$	$7.4 + 0.9$	$6.2 + 2.1$	$7.2 + 0.9$	$16.6 - 3.4$	$9.3 + 4.4$
$18.3 - 14.1$	$1.1 + 4.7$	$8.2 + 1.9$	$9.2 + 2.1$	$2.5 + 7.2$	$6.8 + 2.3$	$10.7 - 2.5$	$20.0 - 6.2$	$14.8 + 0.9$

Extra Challenge: Which calculation is the odd one out? Explain your reason.

$14.8 + 0.9 = 15.7$

$9.2 - 2.5 = 6.7$

$2.3 + 6.4 = 8.7$

$12.1 - 1.3 = 10.8$

Various answers are possible – for example, $12.1 - 1.3$ because the other answers all have 7 in the tenths column or $14.8 + 0.9$ because its answer has an odd number of ones.