



Ocean Addition and Subtraction

● Check Understanding

−2 inches, or 2 inches below the surface of the water

Possible work: $(-4) + 2 = (-2) + 2 + (-2)$
 $= -2$

RECORDING SHEET

Possible work:

Dolphin: $(-6) + 14 = 8$

8 meters above the surface

Flying Fish: $(-1) + 5 = 4$

4 feet above the surface

Monique and Jamal: $4 - (-9) = 13$

13 feet apart

Octopus: $(-12) - (-5) = -7$

−7

Pelican: $12 + (-15) = -3$

3 feet below the surface

Seals: $3 - (-21) = 24$

24 feet apart

Submarine: $(-15) + (-20) = -35$

35 meters below the surface

Whale Shark: $(-28) + (-9) = -37$

37 meters below the surface

●● Check Understanding

$-2\frac{1}{4}$ inches, or $2\frac{1}{4}$ inches below the surface of the water

Possible work:

$$\left(-4\frac{1}{2}\right) + 2\frac{1}{4} = \left(-2\frac{1}{4}\right) + 2\frac{1}{4} + \left(-2\frac{1}{4}\right)$$
$$= -2\frac{1}{4}$$

RECORDING SHEET

Possible work:

Dolphin: $(-6.4) + 14.7 = 8.3$

8.3 meters above the surface

Flying Fish: $\left(-1\frac{1}{2}\right) + 5\frac{1}{4} = 3\frac{3}{4}$

$3\frac{3}{4}$ feet above the surface

Monique and Jamal: $4\frac{1}{2} - \left(-9\frac{1}{4}\right) = 13\frac{3}{4}$

$13\frac{3}{4}$ feet apart

Octopus: $(-12.7) - (-5.5) = -7.2$

−7.2

Pelican: $12\frac{1}{4} + \left(-15\frac{1}{2}\right) = -3\frac{1}{4}$

$3\frac{1}{4}$ feet below the surface

Seals: $3\frac{3}{4} - \left(-21\frac{1}{2}\right) = 25\frac{1}{4}$

$25\frac{1}{4}$ feet apart

Submarine: $(-15.9) + (-20.7) = -36.6$

36.6 meters below the surface

Whale Shark: $(-28.3) + (-9.8) = -38.1$

38.1 meters below the surface



Ocean Addition and Subtraction *continued*

● ● ● Check Understanding

$-5\frac{1}{4}$ inches, or $5\frac{1}{4}$ inches below the surface
of the water

$$\begin{aligned}\text{Possible work: } \left(-4\frac{1}{2}\right) + 2\frac{1}{2} + \left(-3\frac{1}{4}\right) &= \left(-7\frac{3}{4}\right) + 2\frac{1}{2} \\ &= -5\frac{1}{4}\end{aligned}$$

RECORDING SHEET

Possible work:

Dolphin: $(-6.4) + 14.7 + (-23.2) = -14.9$

14.9 meters below the surface

Flying Fish: $\left(-1\frac{1}{2}\right) + 5\frac{1}{4} + (-7) = -3\frac{1}{4}$

$3\frac{1}{4}$ feet below the surface

Monique and Jamal: $4\frac{1}{2} - \left(-4\frac{1}{4}\right) - (-5) = 13\frac{3}{4}$

$13\frac{3}{4}$ feet apart

Octopus: $(-12.7) - (-5.5) + 7.6 = 0.4$

0.4

Pelican: $12\frac{1}{4} + \left(-15\frac{1}{2}\right) + 10\frac{3}{4} = 7\frac{1}{2}$

$7\frac{1}{2}$ feet above the surface

Seals: $3\frac{3}{4} - \left(-21\frac{1}{2}\right) - \left(-4\frac{1}{2}\right) = 29\frac{3}{4}$

$29\frac{3}{4}$ feet apart

Submarine: $(-5.9) + (-20.7) + (-16.4) = -43$

43 meters below the surface

Whale Shark: $(-28.3) + (-9.8) + 6.9 = -31.2$

31.2 meters below the surface



First Five Equations: Multiplication and Division

● Check Understanding

−3; Possible equation: $-3 \cdot -5 = 15$

ACTIVITY ANSWERS

Check student work; answers on **Game Board** will vary.

● ● Check Understanding

−6; Possible equation: $-6 \cdot -\frac{5}{2} = 15$

ACTIVITY ANSWERS

Check student work; answers on **Game Board** will vary.

● ● ● Check Understanding

$-\frac{4}{9}$; Possible equation: $-\frac{4}{9} \cdot -\frac{3}{2} = \frac{2}{3}$

ACTIVITY ANSWERS

Check student work; answers on **Game Board** will vary.