

p. 370

12a)

Shark

$$w = 0.26L$$

$$w = 0.26(18)$$

$$w = 4.7 \text{ m}$$

blue whale $w = 0.21(30)$

$$w = 6.3 \text{ m}$$

dolphin

$$\frac{w}{0.25} = \frac{0.25l}{0.25}$$
$$l = \frac{0.6}{0.25} = 2.4 \text{ m}$$

p.372 Developing Formulas

Dec 21

		1	2	3	4	5	6	7
1.	$\frac{a}{b}$	3	6	9	12	15	18	21

$$3a = b$$

		4	6	8	10	12	14
2.	m	5	7	9	11	13	15
	n						

$$m + 3 = n$$

3.

t	25	24	23	22	21	20	19
u	100	96	92	88	84	80	76

4. # of books (n)

	1	2	3	4
$t(c)$	40	80	120	160

$C = 40n$

trip	distance, d(km)	cost, c(\$)
1	50	250
2	100	400
3	150	550

$$3D + 100 = ($$

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$d(\text{km})$	0	5	10	15	20
$C(\$)$	3.00	10.50	18.00	25.50	33.00
		$\frac{7.50}{3.00}$			
			$\frac{7.50}{5} = 1.5$		

$$C = 3.00 + 1.50 \text{ km}$$

$$C = 3.00 + 1.50(10)$$

$= 18$

Given: aircraft carrier went
to dry dock and back. Trip there
took 2h, trip back took 5h.

Find average speed