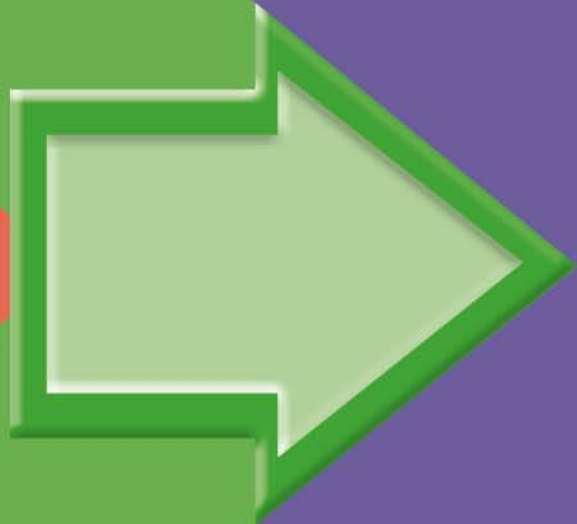


# MULTIPLY DECIMALS BY INTEGERS



GET READY



$$\begin{aligned} 1) \quad & 3 \text{ tenths} + 3 \text{ tenths} + 3 \text{ tenths} = \\ & 0.3 + 0.3 + 0.3 = \\ & 0.3 \times 3 = \end{aligned}$$

$$\begin{aligned} 2) \quad & 3 \text{ hundredths} + 3 \text{ hundredths} + 3 \text{ hundredths} = \\ & 0.03 + 0.03 + 0.03 = \\ & 0.03 \times 3 = \end{aligned}$$

$$\begin{aligned} 3) \quad & 4 \text{ tenths} + 4 \text{ tenths} + 4 \text{ tenths} = \\ & 0.4 + 0.4 + 0.4 = \\ & 0.4 \times 3 = \end{aligned}$$

1) 3 tenths + 3 tenths + 3 tenths = 9 tenths

$$0.3 + 0.3 + 0.3 = 0.9$$

$$0.3 \times 3 = 0.9$$

2) 3 hundredths + 3 hundredths + 3 hundredths =  
9 hundredths

$$0.03 + 0.03 + 0.03 = 0.09$$

$$0.03 \times 3 = 0.09$$

3) 4 tenths + 4 tenths + 4 tenths = 12 tenths

$$0.4 + 0.4 + 0.4 = 1.2$$

$$0.4 \times 3 = 1.2$$

10 tenths = 1 whole

LET'S LEARN





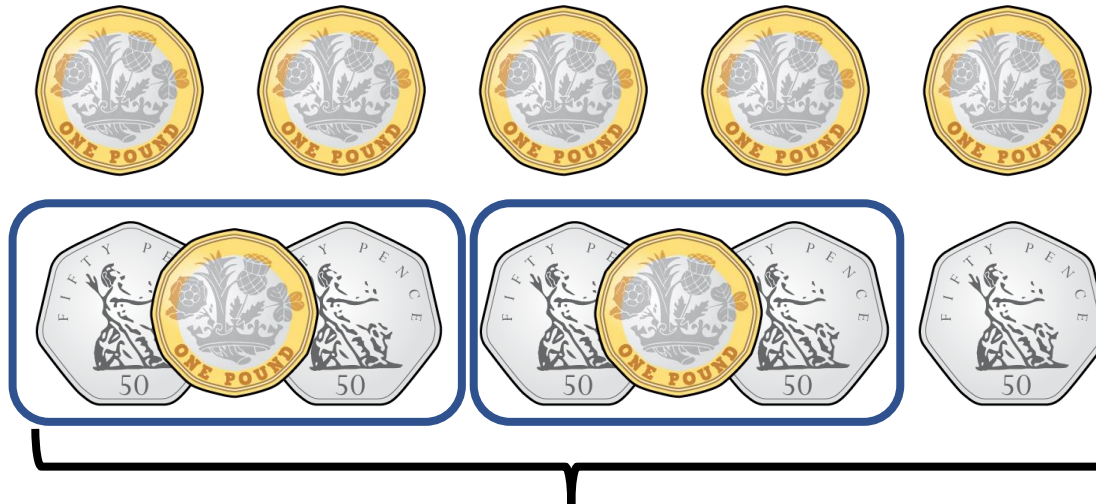
Teddy spends £1.50 on his lunch  
every day during the week.

How much money does Teddy need each week?

Teddy spends £1.50 on his lunch  
every day during the week.

$$£1.50 \times 5 = £7.50$$

$$(£1 \times 5) + (£0.50 \times 5)$$



$$£0.50 \times 5 = £2.50$$

Have a think



Alex runs 3.3 km a day.  
She does this for 3 days.  
How far does she run in 3 days?





Alex runs 3.3 km a day.

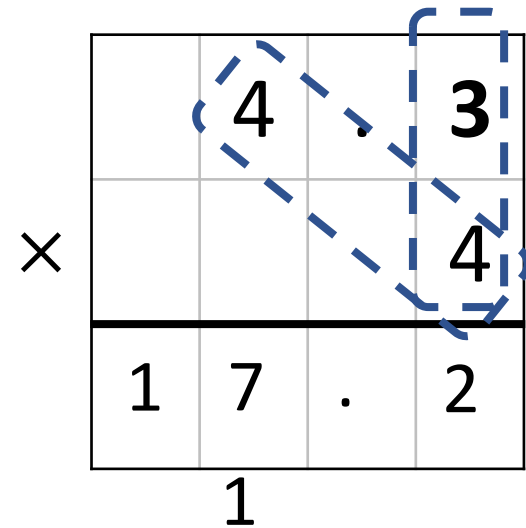
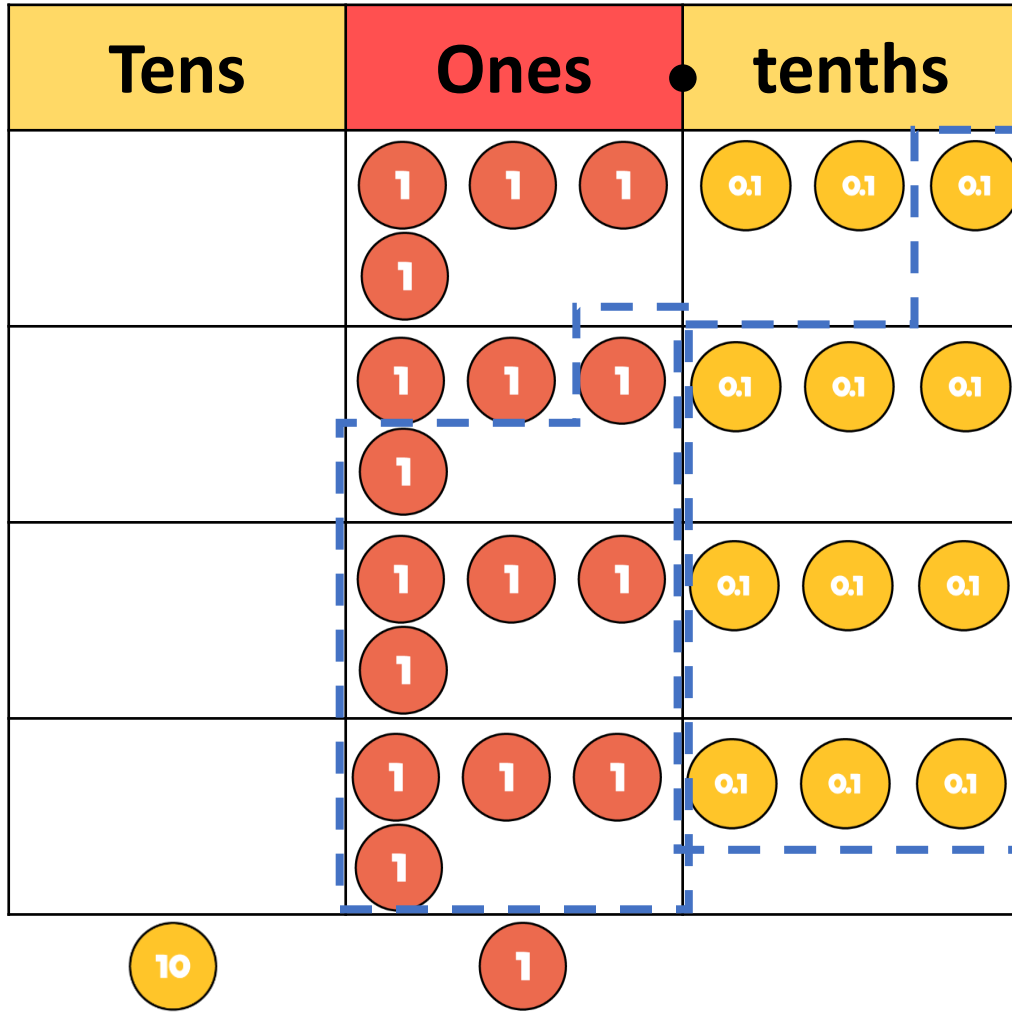
She  $3.3 \times 3 = 9.9$  km does this for 3 days.

How far does she run in 3 days?

Tens	Ones ●	tenths
	1 1 1	0.1 0.1 0.1
	1 1 1	0.1 0.1 0.1
	1 1 1	0.1 0.1 0.1

$$4.3 \times 4 = 17.2$$

Have a think



		6	.	5
×				3
		1	.	5
+	1	8	.	0
	1	9	.	5

Have a think



		5	.	3
×				4
		1	.	2
	2	0	.	0
+				
	2	1	.	2

YOUR TURN

Have a go at questions  
1 - 4 on the worksheet





	2	1	3
×			4
	8	5	2
		1	

# What's the same? What's different?

Have a think



True

To work out  $32.7 \times 3$   
I can do  $327 \times 3$  and divide  
the answer by 10

False

To work out  $3.27 \times 3$   
I can do  $327 \times 3$  and divide  
the answer by 1,000

To work out  $3.27 \times 3$   
I can do  $327 \times 3$  and divide  
the answer by 10 and  
divide by 10 again.

**YOUR TURN**

Have a go at the rest of  
the questions on the  
worksheet

