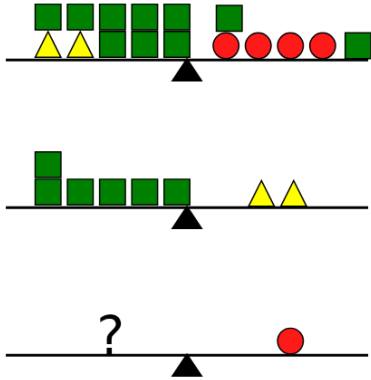


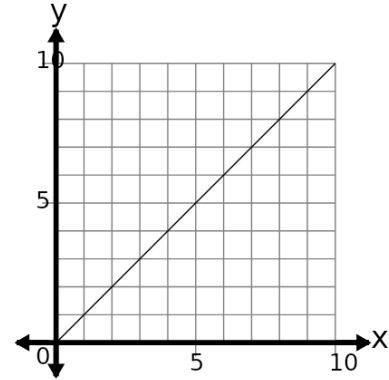
Write linear equations from contexts

- 1** Which equation represents the solution to the bottom scale?



- | | |
|------------|---------------|
| A $t = c$ | B $s + t = c$ |
| C $s = c$ | D $3s = c$ |
| E $4s = c$ | |

- 2** Select the equation that would result in the line shown with a slope of 1



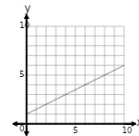
- | | |
|----------------|-----------------|
| A $y = -1$ | B $y = 1x$ |
| C $y = 4x + 3$ | D $y = -4x - 3$ |
| E $y = -3x$ | |

- 3** What line equation would create this set of X, Y values?

X	0	1	2	3	4
Y	0	2	4	6	8

- | | |
|----------------------|----------------------|
| A $y = -2x$ | B $y = 2x$ |
| C $y = \frac{1}{2}x$ | D $y = \frac{2}{2}x$ |

- 4** Select the equation that would result in the line on the graph as shown

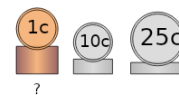


- | | |
|------------------|------------------|
| A $y = 2x - 0.5$ | B $y = 0.5x + 1$ |
| C $y = 1x + 1$ | D $y = -1x + 1$ |

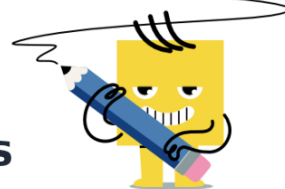
- 5** The length is four more than six times the width.

- | | |
|---------------------|------------------|
| A $l = 6w - 4$ | B $l = 6w + 4$ |
| C $l = 6w \times 4$ | D $l = 6(w + 4)$ |
| E $l = 4w + 6$ | |

- 6** Some coins have a total value of \$0.51. There are 1/3 as many Dimes as Pennies and 1/2 as many Quarters as Dimes. How many Pennies are there?
- \$0.51



- | | | | |
|------|-----|------|-----|
| A 10 | B 2 | C 13 | D 6 |
|------|-----|------|-----|



Write linear equations from contexts

7

What equation would create this chart of X, Y values?

X	Y
0	2
1	0
2	-2
3	-4
4	-6

A $y = -\frac{2}{2}x + 2$

B $y = -\frac{1}{2}x + 2$

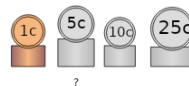
C $y = 2x + 2$

D $y = -2x + 2$

8

Some coins have a total value of \$0.73 There are the same number of Pennies, Nickels, and Dimes but a different number of Quarters. How many Nickels are there?

\$0.73



A 5

B 6

C 9

D 3

9

The length is seven more than eight times the width.

A $l = 7w + 8$

B $l = 8w \times 7$

C $l = 8(w + 7)$

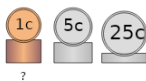
D $l = 8w + 7$

E $l = 8w - 7$

10

Some coins have a total value of \$0.92. There are $\frac{1}{2}$ as many Nickels as Pennies and $\frac{1}{3}$ as many Quarters as Nickels. How many Pennies are there?

\$0.92



A 4

B 7

C 12

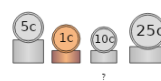
D 16

E 19

11

Some coins have a total value of \$1.28 There are the same number of Pennies, Dimes, and Quarters but a different number of Nickels. How many Dimes are there?

\$1.28



A 1

B 4

C 3

D 6

E 12

12

The length is six more than four times the width.

A $l = 4(w + 6)$

B $l = 4w - 6$

C $l = 4w \times 6$

D $l = 6w + 4$

E $l = 4w + 6$