



Represent problems with equations

1

What number can be put in the circle to make this equation correct?

$$\bigcirc + 4 = 11$$

- | | |
|-------------------|------------------|
| A $\bigcirc = 10$ | B $\bigcirc = 9$ |
| C $\bigcirc = 6$ | D $\bigcirc = 4$ |
| E $\bigcirc = 7$ | F $\bigcirc = 5$ |

2

Find the number that balances the equation

$$7 + 7 + 1 = ? + 8$$

- | | | |
|---------|--------|---------|
| A
10 | B
8 | C
40 |
| D
7 | E
1 | F
2 |

3

Find the number that balances the equation

$$9 + 26 = ? + 27 - 2$$

- | | | |
|---------|--------|---------|
| A
10 | B
1 | C
5 |
| D
11 | E
0 | F
13 |

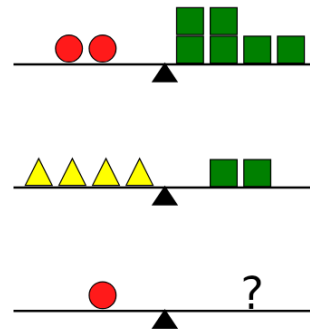
5

Six less than three times m is equal to t

- | | |
|---------------------|------------------|
| A $6m - 3 = t$ | B $3(m - 6) = t$ |
| C $3m + 6 = t$ | D $3m - 6 = t$ |
| E $3m \times 6 = t$ | |

4

Which equation and answer represents these balance beams and the bottom solution



- | | |
|---|------------------------------------|
| A | $2c = 6s$
$4t = 2s$
$c = 6t$ |
| B | $c = 6s$
$5t = 2s$
$c = 3t$ |

6

The length is the sum of eight times the width and five times the height.

- | |
|----------------------|
| A $l = 8w \times 5h$ |
| B $l = 8w - 5h$ |
| C $l = 5w + 8h$ |
| D $l = 8w + 5h$ |

7

z results from multiplying r and q

- | | |
|---------------------|---------------------|
| A $r \times q = z$ | B $\frac{r}{z} = q$ |
| C $\frac{r}{q} = z$ | D $\frac{q}{z} = r$ |
| E $q \times z = r$ | F $\frac{q}{r} = z$ |



Represent problems with equations

8

z subtracted from t is equal to p

A $t + p = z$

B $z + p = t$

C $z - t = p$

D $t - z = p$

E $p - t = z$

F $t \times p = z$

9

The length is twelve more than five times the width.

A $l = 12w + 5$

B $l = 5(w + 12)$

C $l = 5w \times 12$

D $l = 5w - 12$

E $l = 5w + 12$

10

The total price is two more than six times the number of items.

A $C = 6(n + 2)$

B $C = 6n \times 2$

C $C = 2n + 6$

D $C = 6n + 2$

E $C = 6n - 2$

11

Which equation and answer represents these balance beams and the bottom solution



A
$$\begin{aligned} 4t + 9c &= 2s + 2c \\ 11c &= 4t \\ s + c &= 3t + 2c \end{aligned}$$

B
$$\begin{aligned} 4t + 6c &= 2s + 2c \\ 8c &= 4t \\ s + c &= 3t + c \end{aligned}$$

12

Each kid in a group of 11 kids has 8 pieces of candy. Each piece weighs 7 grams. How many grams of candy does each kid have?

A 8×7

B 8×27

C $7 - 8$

D 11×8

E $11/7$

F 8×27