

Represent equations with balance models

1

Find the number that balances the equation

$$14 + 5 = ? - 7$$

A

0

B

28

C

26

D

22

E

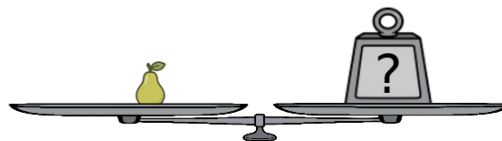
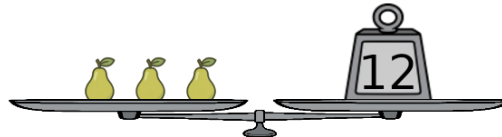
27

F

30

2

What weight would balance the bottom scale?

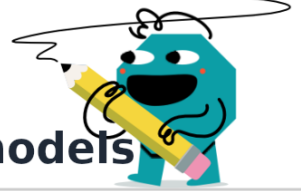


A



B

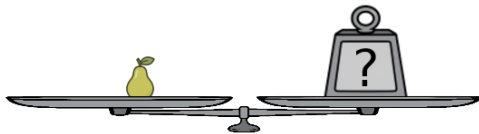
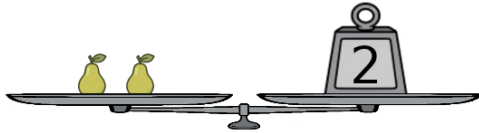




Represent equations with balance models

3

Which equations represent what these scales are showing



A

$$5p = 2$$
$$2p = ?$$

B

$$5p = 2$$
$$5p = ?$$

C

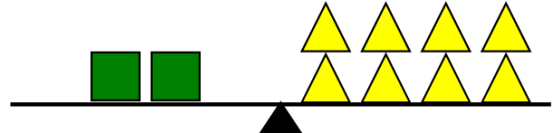
$$2p = 2$$
$$p = ?$$

D

$$3p = 2$$
$$2p = ?$$

4

Which equation represents the solution to the bottom scale?



A

$$t + 2s = s$$

B

$$4t + s = s$$

C

$$t + s = s$$

D

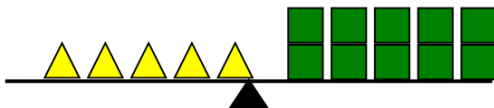
$$t = s$$

E

$$4t = s$$

5

Which equations and answer represent these balance beams and the bottom solution



A

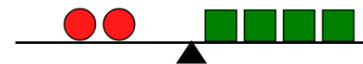
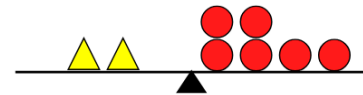
$$5t = 10s$$
$$t = 2s$$

B

$$5t = 13s$$
$$t = s$$

6

Which equation represents the solution to the bottom scale?



A

$$7s = t$$

B

$$6s = t$$

C

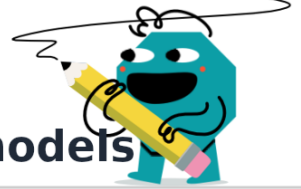
$$10s = t$$

D

$$5s = t$$

E

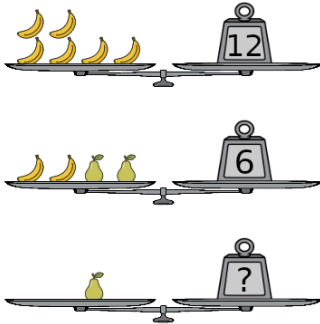
$$8s = t$$



Represent equations with balance models

7

Which equations represent what these scales are showing



A $3b + p = 12$
 $2b + 2p = 6$
 $b + p = ?$

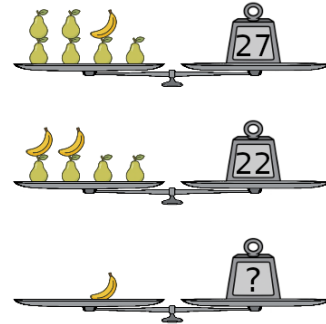
B $3b = 12$
 $2b + 2p = 6$
 $b = ?$

C $3b = 12$
 $2b + 2p = 6$
 $b + p = ?$

D $6b = 12$
 $2b + 2p = 6$
 $p = ?$

8

Which equations represent what these scales are showing



A $6p + b = 27$
 $4p + 2b = 22$
 $p = ?$

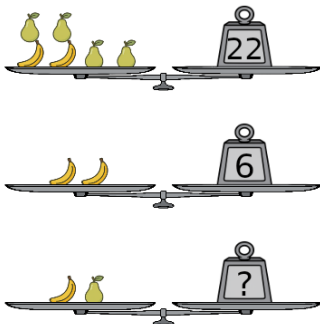
B $6p + b = 27$
 $4p + 2b = 22$
 $b = ?$

C $3p + b = 27$
 $4p + 2b = 22$
 $p = ?$

D $3p + b = 27$
 $4p + 2b = 22$
 $p + b = ?$

9

Which equations represent what these scales are showing



A $2b + 5p = 22$
 $p = 6$
 $b = ?$

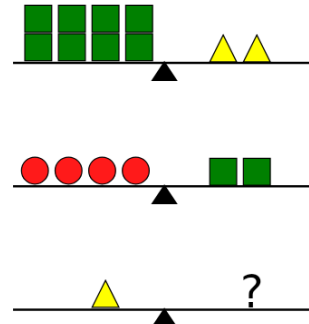
B $2b + 5p = 22$
 $p = 6$
 $3p = ?$

C $2b + 4p = 22$
 $2b = 6$
 $b + p = ?$

D $2b + 5p = 22$
 $b = 6$
 $p = ?$

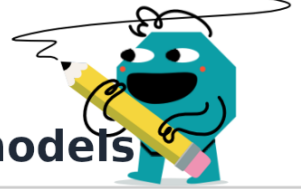
10

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



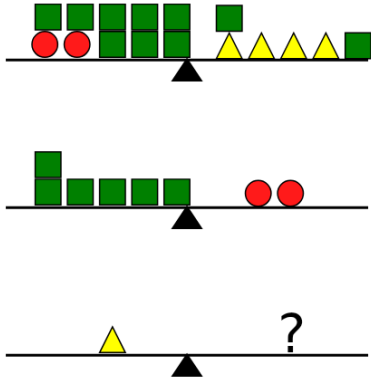
A $8s + t = 2t$
 $4c + t = 2s$
 $t = 8c + s$

B $8s = 2t$
 $4c = 2s$
 $t = 8c$



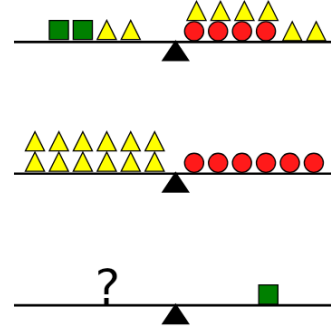
Represent equations with balance models

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



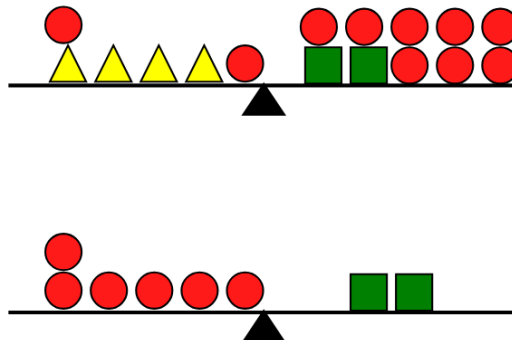
- | | | | |
|---|----------|---|----------|
| A | $t = 7c$ | B | $t = 9c$ |
| C | $t = c$ | D | $t = 6c$ |
| E | $t = 4c$ | | |

- 12** Which equation and answer represents these balance beams and the bottom solution

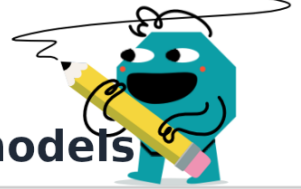


- | | |
|---|---|
| A | $2s + 2t = 4c + 6t$
$12t = 6c$
$3c + t = s$ |
| B | $2s + 2t = 4c + 6t$
$12t = 6c$
$3c = s$ |

- 13** Which equations represent what these balance beams are showing



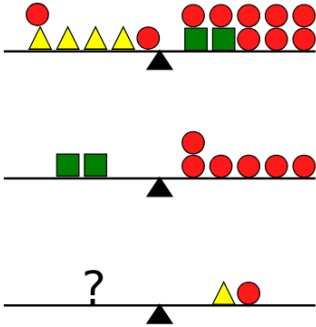
- | | |
|---|---------------------------------------|
| A | $4t + 5c = 2s + 10c$
$6c = 4s + c$ |
| B | $4t + 2c = 2s + 8c$
$6c = 2s$ |
| C | $4t + 2c = 2s + 10c$
$6c = 2s + c$ |



Represent equations with balance models

14

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



A

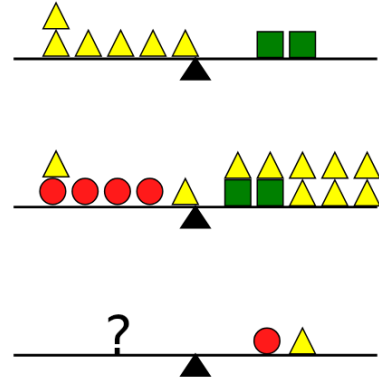
$$\begin{aligned}4t + 2c &= 2s + 8c \\2s &= 6c \\c &= t + c\end{aligned}$$

B

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

15

Which equation represents the solution to the bottom scale?



A

$$s + t = c + t$$

B

$$6t = c + t$$

C

$$4t = c + t$$

D

$$t = c + t$$

E

$$3t = c + t$$

16

Which equations represent what these balance beams are showing



A

$$2s = 4t + s$$

B

$$s = 4t + s$$

C

$$2s = 4t$$