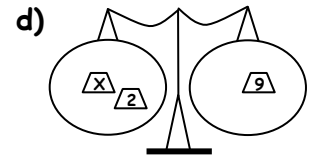
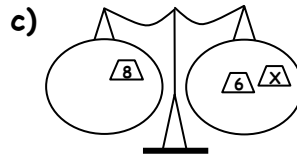
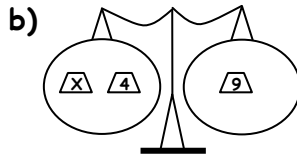
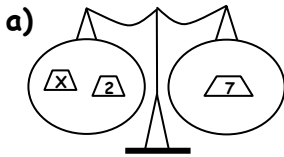


Balancing the Scales

TASK 1

1) Work the value of the X weight on each of the scales below.



2) Now solve these written equations showing your working out.

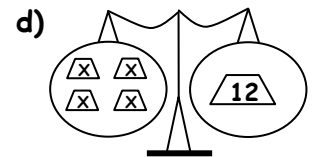
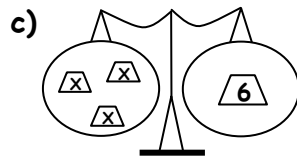
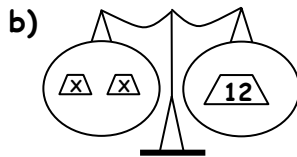
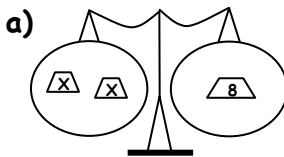
a) $X + 4 = 6$

b) $9 + X = 13$

c) $20 = X + 7$

d) $6 + X = 15$

3) Work out the value on an X on each of these sets of scales.



4) Now solve these written equations showing your working out.

a) $2X = 10$

b) $2X = 14$

c) $3X = 15$

d) $4X = 20$

TASK 2

Show the following equations as a set of scales. Then solve them.

a) $X + 9 = 21$

b) $5 + X = 15$

c) $2X = 18$

d) $4X = 40$

TASK 3

Solve the following equations showing your working out.

1a) $X + 11 = 20$

b) $2X = 16$

c) $X + 7 = 30$

d) $5X = 15$

2a) $3X = 21$

b) $12 + X = 31$

c) $6X = 18$

d) $16 + X = 51$

3a) $X - 4 = 6$

b) $X - 5 = 13$

c) $7 - X = 4$

d) $6 - X = 1$

4a) $X \div 2 = 6$

b) $X \div 3 = 2$

c) $X \div 2 = 7$

d) $X \div 4 = 5$

5a) $X - 14 = 6$

b) $19 - X = 8$

c) $X \div 7 = 6$

d) $X \div 9 = 5$

Balancing the Scales

ANSWERS

TASK 1

1) Work the value of the X weight on each of the scales below.

a) $X = 5$ b) $X = 5$ c) $X = 2$ d) $X = 7$

2) Now solve these written equations showing your working out.

a) $X = 2$ b) $X = 4$ c) $X = 13$ d) $X = 9$

3) Work out the value on an X on each of these sets of scales.

a) $X = 4$ b) $X = 6$ c) $X = 2$ d) $X = 3$

4) Now solve these written equations showing your working out.

a) $X = 5$ b) $X = 7$ c) $X = 5$ d) $X = 5$

TASK 2

Show the following equations as a set of scales. Then solve them.

a) $X = 12$ b) $X = 10$ c) $X = 9$ d) $X = 10$

TASK 3

Solve the following equations showing your working out.

1a) $X = 9$	b) $X = 8$	c) $X = 23$	d) $X = 3$
2a) $X = 7$	b) $X = 19$	c) $X = 3$	d) $X = 35$
3a) $X = 10$	b) $X = 18$	c) $X = 3$	d) $X = 5$
4a) $X = 12$	b) $X = 6$	c) $X = 14$	d) $X = 20$
5a) $X = 20$	b) $X = 11$	c) $X = 42$	d) $X = 45$