

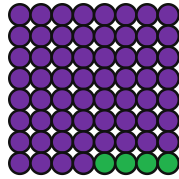
Double It

Name _____

Double it: the same again beside it. **Halve** it: take away half. Then fill in the chains, up and back.

EXAMPLE

4 dots

double it: $4 + 4 =$ 8

64 dots

halve it: half of 64 = _____

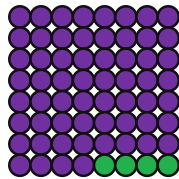


2 dots

halve it: half of 2 = _____



2 dots

double it: $2 + 2 =$ _____

64 dots

double it: $64 + 64 =$ _____

4 dots

halve it: half of 4 = _____

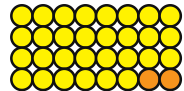


8 dots

double it: $8 + 8 =$ _____

16 dots

halve it: half of 16 = _____



32 dots

halve it: half of 32 = _____

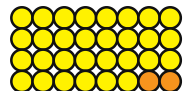


8 dots

halve it: half of 8 = _____



16 dots

double it: $16 + 16 =$ _____

32 dots

double it: $32 + 32 =$ _____

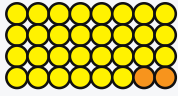
1 → **2** → **4** → _____ → **16** → _____ → **64** → _____ → **256** → _____ → **1024**

1024 → **512** → _____ → **128** → _____ → **32** → _____ → **8** → _____ → **2** → **1**

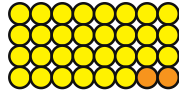
Double It

Name _____

Double it: the same again beside it. **Halve** it: take away half. Then fill in the chains, up and back.

EXAMPLE

32 dots

double it: $32 + 32 =$ **64** _____

32 dots

halve it: half of 32 = _____

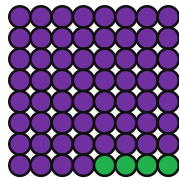


8 dots

double it: $8 + 8 =$ _____

8 dots

halve it: half of 8 = _____



64 dots

halve it: half of 64 = _____



2 dots

halve it: half of 2 = _____



16 dots

double it: $16 + 16 =$ _____

4 dots

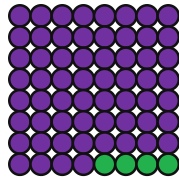
double it: $4 + 4 =$ _____

2 dots

double it: $2 + 2 =$ _____

16 dots

halve it: half of 16 = _____



64 dots

double it: $64 + 64 =$ _____

4 dots

halve it: half of 4 = _____

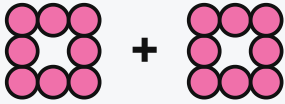
1 → **2** → **4** → _____ → **16** → _____ → **64** → _____ → **256** → _____ → **1024**

1024 → **512** → _____ → **128** → _____ → **32** → _____ → **8** → _____ → **2** → **1**

Add and Take Away

Name _____

Two piles? Put them together: how many? **One pile?** Cross out the dots taken away: how many are left?

EXAMPLE

$$8 + 8 = \underline{16}$$

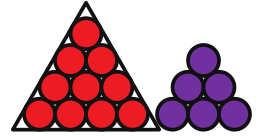


$$4 + 4 = \underline{\quad}$$



$$1 + 1 = \underline{\quad}$$

Take away 8.

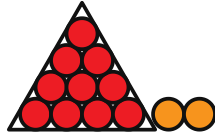


$$16 - 8 = \underline{\quad}$$

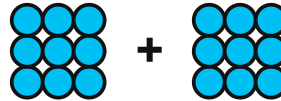


$$3 + 3 = \underline{\quad}$$

Take away 6.



$$12 - 6 = \underline{\quad}$$



$$9 + 9 = \underline{\quad}$$



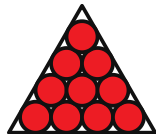
$$5 + 5 = \underline{\quad}$$

Take away 1.



$$2 - 1 = \underline{\quad}$$

Take away 5.



$$10 - 5 = \underline{\quad}$$

Take away 2.

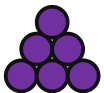


$$4 - 2 = \underline{\quad}$$



$$7 + 7 = \underline{\quad}$$

Take away 3.



$$6 - 3 = \underline{\quad}$$

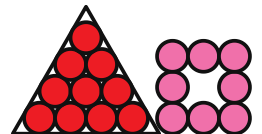


$$6 + 6 = \underline{\quad}$$



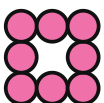
$$2 + 2 = \underline{\quad}$$

Take away 9.



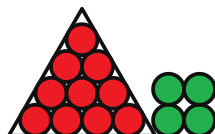
$$18 - 9 = \underline{\quad}$$

Take away 4.



$$8 - 4 = \underline{\quad}$$

Take away 7.



$$14 - 7 = \underline{\quad}$$

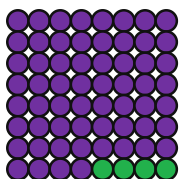
Double It

Double it: the same again beside it. **Halve** it: take away half. Then fill in the chains, up and back.



4 dots

double it: $4 + 4 =$ 8



64 dots

halve it: half of 64 = 32



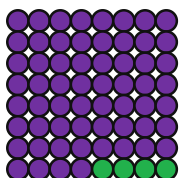
2 dots

halve it: half of 2 = 1



2 dots

double it: $2 + 2 =$ 4



64 dots

double it: $64 + 64 =$ 128



4 dots

halve it: half of 4 = 2



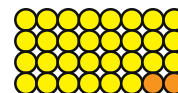
8 dots

double it: $8 + 8 =$ 16



16 dots

halve it: half of 16 = 8



32 dots

halve it: half of 32 = 16



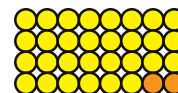
8 dots

halve it: half of 8 = 4



16 dots

double it: $16 + 16 =$ 32



32 dots

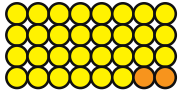
double it: $32 + 32 =$ 64

1 → 2 → 4 → 8 → 16 → 32 → 64 → 128 → 256 → 512 → 1024

1024 → 512 → 256 → 128 → 64 → 32 → 16 → 8 → 4 → 2 → 1

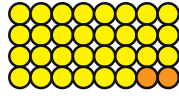
Double It

Double it: the same again beside it. **Halve** it: take away half. Then fill in the chains, up and back.



32 dots

double it: $32 + 32 =$ 64



32 dots

halve it: half of 32 = 16



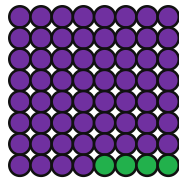
8 dots

double it: $8 + 8 =$ 16



8 dots

halve it: half of 8 = 4



64 dots

halve it: half of 64 = 32



2 dots

halve it: half of 2 = 1



16 dots

double it: $16 + 16 =$ 32



4 dots

double it: $4 + 4 =$ 8



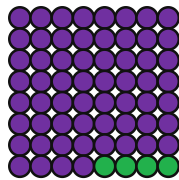
2 dots

double it: $2 + 2 =$ 4



16 dots

halve it: half of 16 = 8



64 dots

double it: $64 + 64 =$ 128



4 dots

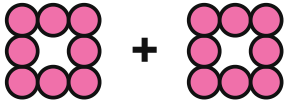
halve it: half of 4 = 2

1 → 2 → 4 → 8 → 16 → 32 → 64 → 128 → 256 → 512 → 1024

1024 → 512 → 256 → 128 → 64 → 32 → 16 → 8 → 4 → 2 → 1

Add and Take Away

Two piles? Put them together: how many? **One pile?** Cross out the dots taken away: how many are left?



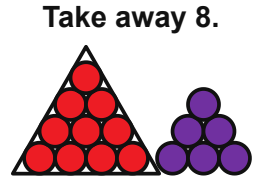
$$8 + 8 = \underline{16}$$



$$4 + 4 = \underline{8}$$



$$1 + 1 = \underline{2}$$



Take away 8.

$$16 - 8 = \underline{8}$$

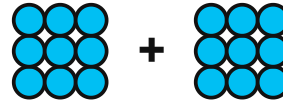


$$3 + 3 = \underline{6}$$



Take away 6.

$$12 - 6 = \underline{6}$$



$$9 + 9 = \underline{18}$$



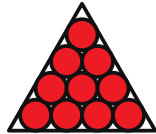
$$5 + 5 = \underline{10}$$

Take away 1.



$$2 - 1 = \underline{1}$$

Take away 5.



$$10 - 5 = \underline{5}$$

Take away 2.

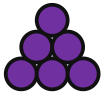


$$4 - 2 = \underline{2}$$



$$7 + 7 = \underline{14}$$

Take away 3.



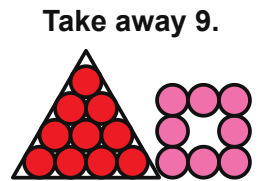
$$6 - 3 = \underline{3}$$



$$6 + 6 = \underline{12}$$



$$2 + 2 = \underline{4}$$



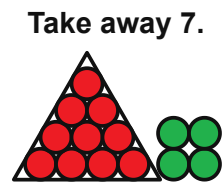
Take away 9.

$$18 - 9 = \underline{9}$$

Take away 4.



$$8 - 4 = \underline{4}$$



Take away 7.

$$14 - 7 = \underline{7}$$