



Learn a new puzzle

Hit the Target

Use each number once and + - × ÷ to make the target.

Trick: One step per line**1**Use **2** **3** **4** to make **24**

2Use **2** **3** **4** to make **24**

$3 \times 2 = 6$ -----

3Use **2** **3** **4** to make **24**

$3 \times 2 = 6$ -----

$6 \times 4 = 24$ -----

Make 24 with 2, 3 and 4.
Which two numbers make
a good start?

$2 \times 3 = 6$. Write it on the
first line.

$6 \times 4 = 24$. Each number
used once: done!

Try it

$$\begin{array}{ll} \text{a} & 8 \bigcirc 2 \bigcirc 4 = \boxed{12} \\ \text{b} & 2 \bigcirc 6 \bigcirc 6 = \boxed{38} \\ \text{c} & 6 \bigcirc 3 \bigcirc 2 = \boxed{5} \\ \text{d} & 6 \bigcirc 3 \bigcirc 9 = \boxed{33} \end{array}$$

The answer is with
the other answers.

Talk about it: Ask: Is there a step that gets you close to the target?



① **Hit the Target** Write + - or × in each circle to hit the target.



$$^a \quad 8 \bigcirc 2 \bigcirc 4 = \boxed{12}$$

$$^b \quad 2 \bigcirc 6 \bigcirc 7 = \boxed{1}$$

$$^c \quad 7 \bigcirc 4 \bigcirc 8 = \boxed{20}$$

$$^d \quad 9 \bigcirc 2 \bigcirc 6 = \boxed{21}$$

② **Hit the Target** Write + - or × in each circle to hit the target.



$$^a \quad 8 \bigcirc 5 \bigcirc 7 = \boxed{10}$$

$$^b \quad 3 \bigcirc 3 \bigcirc 2 = \boxed{9}$$

$$^c \quad 6 \bigcirc 2 \bigcirc 3 = \boxed{1}$$

$$^d \quad 2 \bigcirc 8 \bigcirc 7 = \boxed{3}$$

③ **Hit the Target** Write + - or × in each circle to hit the target.



$$^a \quad 3 \bigcirc 7 \bigcirc 3 = \boxed{7}$$

$$^b \quad 8 \bigcirc 2 \bigcirc 3 = \boxed{48}$$

$$^c \quad 8 \bigcirc 5 \bigcirc 7 = \boxed{10}$$

$$^d \quad 6 \bigcirc 3 \bigcirc 9 = \boxed{27}$$

④ **Hit the Target** Write + - or × in each circle to hit the target.



$$^a \quad 4 \bigcirc 3 \bigcirc 6 = \boxed{6}$$

$$^b \quad 6 \bigcirc 9 \bigcirc 3 = \boxed{57}$$

$$^c \quad 8 \bigcirc 4 \bigcirc 3 = \boxed{20}$$

$$^d \quad 8 \bigcirc 6 \bigcirc 9 = \boxed{5}$$



5 Hit the Target Write + - × or ÷ in each circle. × and ÷ go first.



$$^a \quad 2 \bigcirc 2 \bigcirc 9 \bigcirc 8 = \boxed{73}$$

$$^b \quad 4 \bigcirc 6 \bigcirc 5 \bigcirc 3 = \boxed{22}$$

$$^c \quad 9 \bigcirc 2 \bigcirc 8 \bigcirc 3 = \boxed{57}$$

6 Hit the Target Write + - × or ÷ in each circle. × and ÷ go first.



$$^a \quad 7 \bigcirc 8 \bigcirc 8 \bigcirc 4 = \boxed{2}$$

$$^b \quad 8 \bigcirc 5 \bigcirc 2 \bigcirc 6 = \boxed{28}$$

$$^c \quad 9 \bigcirc 5 \bigcirc 8 \bigcirc 2 = \boxed{61}$$

7 Hit the Target Write + - × or ÷ in each circle. × and ÷ go first.



$$^a \quad 3 \bigcirc 3 \bigcirc 2 \bigcirc 6 = \boxed{17}$$

$$^b \quad 3 \bigcirc 9 \bigcirc 6 \bigcirc 6 = \boxed{13}$$

$$^c \quad 5 \bigcirc 6 \bigcirc 3 \bigcirc 2 = \boxed{17}$$



8

Hit the Target

Use each number once to make the target. Write one step on each line.



^a

Use

5 **6** **8** **9**

to make

14

^b

Use

2 **3** **5** **9**

to make

31



9

Hit the Target

Use each number once to make the target. Write one step on each line.



^a

Use

2 **5** **5** **7**

to make

39

^b

Use

1 **6** **7** **9**

to make

44

10

Hit the Target

Find two different ways to make the target.



^a

Use

4 **5** **7** **8**

to make

37

Way 1

Way 2

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Other ways are right too if the math is right and each number is used once.



Answers

 For grown-ups. Cut off or keep this page aside until the puzzles are done.

Learn · Hit the Target

a $8 \times 2 - 4 = 12$ b $2 + 6 \times 6 = 38$

c $6 - 3 + 2 = 5$ d $6 + 3 \times 9 = 33$

#1

a $8 \times 2 - 4 = 12$ b $2 + 6 - 7 = 1$

c $7 \times 4 - 8 = 20$ d $9 + 2 \times 6 = 21$

a: $8 \times 2 - 4 = 12$. b: $2 + 6 - 7 = 1$. c: $7 \times 4 - 8 = 20$. d: $9 + 2 \times 6 = 21$.

#2

a $8 - 5 + 7 = 10$ b $3 + 3 \times 2 = 9$

c $6 - 2 - 3 = 1$ d $2 + 8 - 7 = 3$

a: $8 - 5 + 7 = 10$. b: $3 + 3 \times 2 = 9$. c: $6 - 2 - 3 = 1$. d: $2 + 8 - 7 = 3$.

#3

a $3 + 7 - 3 = 7$ b $8 \times 2 \times 3 = 48$

c $8 - 5 + 7 = 10$ d $6 \times 3 + 9 = 27$

a: $3 + 7 - 3 = 7$. b: $8 \times 2 \times 3 = 48$. c: $8 - 5 + 7 = 10$. d: $6 \times 3 + 9 = 27$.

#4

a $4 \times 3 - 6 = 6$ b $6 \times 9 + 3 = 57$

c $8 + 4 \times 3 = 20$ d $8 + 6 - 9 = 5$

a: $4 \times 3 - 6 = 6$. b: $6 \times 9 + 3 = 57$. c: $8 + 4 \times 3 = 20$. d: $8 + 6 - 9 = 5$.

#5

a $2 \div 2 + 9 \times 8 = 73$ b $4 \times 6 - 5 + 3 = 22$

c $9 + 2 \times 8 \times 3 = 57$

a: $2 \div 2 + 9 \times 8 = 73$. b: $4 \times 6 - 5 + 3 = 22$. c: $9 + 2 \times 8 \times 3 = 57$.

#6

a $7 - 8 \div 8 - 4 = 2$ b $8 \times 5 - 2 \times 6 = 28$

c $9 \times 5 + 8 \times 2 = 61$

a: $7 - 8 \div 8 - 4 = 2$. b: $8 \times 5 - 2 \times 6 = 28$. c: $9 \times 5 + 8 \times 2 = 61$.

#7

a $3 \times 3 \div 2 + 6 = 17$ b $3 + 9 \div 6 \div 6 = 13$

c $5 + 6 - 3 \times 2 = 17$

a: $3 \times 3 \div 2 + 6 = 17$. b: $3 + 9 \div 6 \div 6 = 13$. c: $5 + 6 - 3 \times 2 = 17$.

#8

a Use $\boxed{5} \boxed{6} \boxed{8} \boxed{9}$ to make $\boxed{14}$

$8 \times 5 = 40$

$9 \times 6 = 54$

$54 - 40 = 14$

b Use $\boxed{2} \boxed{3} \boxed{5} \boxed{9}$ to make $\boxed{31}$

$9 + 5 = 14$

$14 \times 2 = 28$

$28 + 3 = 31$

a: $8 \times 5 = 40$; $9 \times 6 = 54$; $54 - 40 = 14$.
b: $9 + 5 = 14$; $14 \times 2 = 28$; $28 + 3 = 31$.

#9

a Use $\boxed{2} \boxed{5} \boxed{5} \boxed{7}$ to make $\boxed{39}$

$7 \times 2 = 14$

$5 \times 5 = 25$

$25 + 14 = 39$

b Use $\boxed{1} \boxed{6} \boxed{7} \boxed{9}$ to make $\boxed{44}$

$6 - 1 = 5$

$7 \times 5 = 35$

$35 + 9 = 44$

a: $7 \times 2 = 14$; $5 \times 5 = 25$; $25 + 14 = 39$.
b: $6 - 1 = 5$; $7 \times 5 = 35$; $35 + 9 = 44$.

#10

a Use $\boxed{4} \boxed{5} \boxed{7} \boxed{8}$ to make $\boxed{37}$

Way 1

$7 \times 5 = 35$

$8 \div 4 = 2$

$35 + 2 = 37$

Way 2

$8 \times 5 = 40$

$40 - 7 = 33$

$33 + 4 = 37$

Way 1: $7 \times 5 = 35$; $8 \div 4 = 2$; $35 + 2 = 37$. Way 2: $8 \times 5 = 40$; $40 - 7 = 33$; $33 + 4 = 37$. Other ways are right too if the math is right and each number is used once.