



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**

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

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

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

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

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

$3 \times 2 = 6$ -----
 $6 \times 4 = 24$ -----

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

Try it

^a $8 \bigcirc 2 \bigcirc 4 = \boxed{12}$ ^b $2 \bigcirc 6 \bigcirc 6 = \boxed{38}$
^c $6 \bigcirc 3 \bigcirc 2 = \boxed{5}$ ^d $6 \bigcirc 3 \bigcirc 9 = \boxed{33}$

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 $2 \bigcirc 2 \bigcirc 9 \bigcirc 8 = \boxed{73}$ ^b $4 \bigcirc 6 \bigcirc 5 \bigcirc 3 = \boxed{22}$

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

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



^a $7 \bigcirc 8 \bigcirc 8 \bigcirc 4 = \boxed{2}$ ^b $8 \bigcirc 5 \bigcirc 2 \bigcirc 6 = \boxed{28}$

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

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



^a $3 \bigcirc 3 \bigcirc 2 \bigcirc 6 = \boxed{17}$ ^b $3 \bigcirc 9 \bigcirc 6 \bigcirc 6 = \boxed{13}$

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



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**

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.

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$$^a 8 \times 2 - 4 = \boxed{12} \quad ^b 2 \div 6 \times 6 = \boxed{38}$$

$$^c 6 - 3 + 2 = \boxed{5} \quad ^d 6 \div 3 \times 9 = \boxed{33}$$

#1

$$^a 8 \times 2 - 4 = \boxed{12} \quad ^b 2 \div 6 - 7 = \boxed{1}$$

$$^c 7 \times 4 - 8 = \boxed{20} \quad ^d 9 \div 2 \times 6 = \boxed{21}$$

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

#2

$$^a 8 - 5 + 7 = \boxed{10} \quad ^b 3 \div 3 \times 2 = \boxed{9}$$

$$^c 6 - 2 - 3 = \boxed{1} \quad ^d 2 \div 8 - 7 = \boxed{3}$$

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

#3

$$^a 3 \div 7 - 3 = \boxed{7} \quad ^b 8 \times 2 \times 3 = \boxed{48}$$

$$^c 8 - 5 \div 7 = \boxed{10} \quad ^d 6 \times 3 \div 9 = \boxed{27}$$

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

#4

$$^a 4 \times 3 - 6 = \boxed{6} \quad ^b 6 \times 9 \div 3 = \boxed{57}$$

$$^c 8 \div 4 \times 3 = \boxed{20} \quad ^d 8 \div 6 - 9 = \boxed{5}$$

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

#5

$$^a 2 \div 2 \div 9 \times 8 = \boxed{73} \quad ^b 4 \times 6 - 5 \div 3 = \boxed{22}$$

$$^c 9 \div 2 \times 8 \times 3 = \boxed{57}$$

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

#6

$$^a 7 - 8 \div 8 - 4 = \boxed{2} \quad ^b 8 \times 5 - 2 \times 6 = \boxed{28}$$

$$^c 9 \times 5 \div 8 \times 2 = \boxed{61}$$

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

#7

$$^a 3 \times 3 \div 2 \div 6 = \boxed{17} \quad ^b 3 \div 9 \div 6 \div 6 = \boxed{13}$$

$$^c 5 \div 6 \div 3 \times 2 = \boxed{17}$$

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

#8

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

$$8 \times 5 = 40$$

$$9 \times 6 = 54$$

$$54 - 40 = 14$$

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

$$9 \div 5 = 14$$

$$14 \times 2 = 28$$

$$28 \div 3 = 31$$

a: $8 \times 5 = 40$; $9 \times 6 = 54$; $54 - 40 = 14$.

b: $9 \div 5 = 14$; $14 \times 2 = 28$; $28 \div 3 = 31$.

#9

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

$$7 \times 2 = 14$$

$$5 \times 5 = 25$$

$$25 + 14 = 39$$

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

$$6 - 1 = 5$$

$$7 \times 5 = 35$$

$$35 + 9 = 44$$

a: $7 \times 2 = 14$; $5 \times 5 = 25$; $25 + 14 = 39$.

b: $6 - 1 = 5$; $7 \times 5 = 35$; $35 + 9 = 44$.

#10

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

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.