

比例式

____年 ____組 名前

/14

■ 次の比例式を解きなさい。

① $x:3 = 7:8$

$x =$

② $5:6 = 4:x$

$x =$

③ $7:8 = x:1$

$x =$

④ $x:6 = 6:7$

$x =$

⑤ $x:4 = 8:9$

$x =$

⑥ $5:6 = t:9$

$t =$

⑦ $a:7 = 7:8$

$a =$

⑧ $1:2 = x:6$

$x =$

⑨ $1:y = 8:9$

$y =$

⑩ $y:2 = 5:6$

$y =$

⑪ $1:2 = x:5$

$x =$

⑫ $7:x = 2:3$

$x =$

⑬ $9:1 = x:9$

$x =$

⑭ $2:x = 1:2$

$x =$

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■ 次の比例式を解きなさい。

① $x:3 = 7:8$

$$8x = 21$$

$$x = \frac{21}{8}$$

② $5:6 = 4:x$

$$5x = 24$$

$$x = \frac{24}{5}$$

③ $7:8 = x:1$

$$8x = 7$$

$$x = \frac{7}{8}$$

④ $x:6 = 6:7$

$$7x = 36$$

$$x = \frac{36}{7}$$

⑤ $x:4 = 8:9$

$$9x = 32$$

$$x = \frac{32}{9}$$

⑥ $5:6 = t:9$

$$6t = 45$$

$$t = \frac{15}{2}$$

⑦ $a:7 = 7:8$

$$8a = 49$$

$$a = \frac{49}{8}$$

⑧ $1:2 = x:6$

$$2x = 6$$

$$x = 3$$

⑨ $1:y = 8:9$

$$8y = 9$$

$$y = \frac{9}{8}$$

⑩ $y:2 = 5:6$

$$6y = 10$$

$$y = \frac{5}{3}$$

⑪ $1:2 = x:5$

$$2x = 5$$

$$x = \frac{5}{2}$$

⑫ $7:x = 2:3$

$$2x = 21$$

$$x = \frac{21}{2}$$

⑬ $9:1 = x:9$

$$x = 81$$

$$x = 81$$

⑭ $2:x = 1:2$

$$x = 4$$

$$x = 4$$