

# 比例式

\_\_\_\_年 組 名前

/14

■ 次の比例式を解きなさい。

①  $4:5 = 8:x$

$x =$

②  $9:x = 2:3$

$x =$

③  $7:8 = a:2$

$a =$

④  $x:7 = 5:6$

$x =$

⑤  $9:1 = x:9$

$x =$

⑥  $7:8 = x:2$

$x =$

⑦  $y:1 = 6:7$

$y =$

⑧  $5:6 = x:8$

$x =$

⑨  $4:5 = 3:x$

$x =$

⑩  $9:1 = 5:m$

$m =$

⑪  $5:6 = y:5$

$y =$

⑫  $3:4 = a:1$

$a =$

⑬  $s:6 = 7:8$

$s =$

⑭  $3:4 = t:3$

$t =$

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■ 次の比例式を解きなさい。

①  $4:5 = 8:x$

$$4x=40$$

$$x = 10$$

②  $9:x = 2:3$

$$2x=27$$

$$x = \frac{27}{2}$$

③  $7:8 = a:2$

$$8a=14$$

$$a = \frac{7}{4}$$

④  $x:7 = 5:6$

$$6x=35$$

$$x = \frac{35}{6}$$

⑤  $9:1 = x:9$

$$x=81$$

$$x = 81$$

⑥  $7:8 = x:2$

$$8x=14$$

$$x = \frac{7}{4}$$

⑦  $y:1 = 6:7$

$$7y=6$$

$$y = \frac{6}{7}$$

⑧  $5:6 = x:8$

$$6x=40$$

$$x = \frac{20}{3}$$

⑨  $4:5 = 3:x$

$$4x=15$$

$$x = \frac{15}{4}$$

⑩  $9:1 = 5:m$

$$9m=5$$

$$m = \frac{5}{9}$$

⑪  $5:6 = y:5$

$$6y=25$$

$$y = \frac{25}{6}$$

⑫  $3:4 = a:1$

$$4a=3$$

$$a = \frac{3}{4}$$

⑬  $s:6 = 7:8$

$$8s=42$$

$$s = \frac{21}{4}$$

⑭  $3:4 = t:3$

$$4t=9$$

$$t = \frac{9}{4}$$