



## Proportional Ratios

Name: \_\_\_\_\_

Date: \_\_\_\_\_



Fill in the blanks; solve each proportion.

1)  $3:7 = \underline{\quad}:49$

2)  $3:1 = \underline{\quad}:4$

3)  $1:4 = \underline{\quad}:20$

4)  $7:5 = 35:\underline{\quad}$

5)  $10:1 = 20:\underline{\quad}$

6)  $4:6 = 20:\underline{\quad}$

7)  $4:6 = 24:\underline{\quad}$

8)  $3:7 = 15:\underline{\quad}$

9)  $4:3 = 8:\underline{\quad}$



State if each pair of ratios form a proportion.

10)  $\frac{3}{10}$  and  $\frac{9}{30}$

11)  $\frac{4}{2}$  and  $\frac{12}{6}$

12)  $\frac{3}{4}$  and  $\frac{12}{8}$

13)  $\frac{4}{2}$  and  $\frac{20}{4}$

14)  $\frac{12}{6}$  and  $\frac{36}{12}$

15)  $\frac{3}{2}$  and  $\frac{18}{8}$

16)  $\frac{4}{3}$  and  $\frac{16}{12}$

17)  $\frac{5}{2}$  and  $\frac{20}{8}$

18)  $\frac{3}{2}$  and  $\frac{15}{10}$



Solve each proportion.

19)  $\frac{20}{8} = \frac{5}{x}$

20)  $\frac{2}{x} = \frac{8}{24}$

21)  $\frac{1}{6} = \frac{8}{x}$

22)  $\frac{15}{3} = \frac{20}{x}$

23)  $\frac{3}{4} = \frac{36}{x}$

24)  $\frac{x}{4} = \frac{30}{20}$

25)  $\frac{x}{3} = \frac{12}{36}$

26)  $\frac{x}{12} = \frac{5}{2}$

27)  $\frac{20}{8} = \frac{x}{12}$



QUIZ ?

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## Answers



Fill in the blanks; solve each proportion.

1)  $3:7 = \underline{\quad}:49$

21

2)  $3:1 = \underline{\quad}:4$

12

3)  $1:4 = \underline{\quad}:20$

5

4)  $7:5 = 35:\underline{\quad}$

25

5)  $10:1 = 20:\underline{\quad}$

2

6)  $4:6 = 20:\underline{\quad}$

30

7)  $4:6 = 24:\underline{\quad}$

36

8)  $3:7 = 15:\underline{\quad}$

35

9)  $4:3 = 8:\underline{\quad}$

6



State if each pair of ratios form a proportion.

10)  $\frac{3}{10}$  and  $\frac{9}{30}$

Yes

11)  $\frac{4}{2}$  and  $\frac{12}{6}$

Yes

12)  $\frac{3}{4}$  and  $\frac{12}{8}$

No

13)  $\frac{4}{2}$  and  $\frac{20}{4}$

No

14)  $\frac{12}{6}$  and  $\frac{36}{12}$

No

15)  $\frac{3}{2}$  and  $\frac{18}{8}$

No

16)  $\frac{4}{3}$  and  $\frac{16}{12}$

Yes

17)  $\frac{5}{2}$  and  $\frac{20}{8}$

Yes

18)  $\frac{3}{2}$  and  $\frac{15}{10}$

Yes



Solve each proportion.

19)  $\frac{20}{8} = \frac{5}{x}$

2

20)  $\frac{2}{x} = \frac{8}{24}$

6

21)  $\frac{1}{6} = \frac{8}{x}$

48

22)  $\frac{15}{3} = \frac{20}{x}$

4

23)  $\frac{3}{4} = \frac{36}{x}$

48

24)  $\frac{x}{4} = \frac{30}{20}$

6

25)  $\frac{x}{3} = \frac{12}{36}$

1

26)  $\frac{x}{12} = \frac{5}{2}$

30

27)  $\frac{20}{8} = \frac{x}{12}$

30



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