Name:

Date:

Proportional Ratios

Fill in the blanks; solve each proportion.

1) $3:7 = __:49$

2) $3:1 = __:4$

3) $1:4 = __:20$

4) $7:5 = 35:__$

5) $10:1 = 20:__$

6) $4:6 = 20:__$

7) $4:6 = 24:__$

8) $3:7 = 15:__$

9) $4:3 = 8:__$

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

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QUIZ ?

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Name:

Date:

Proportional Ratios

Answers

Fill in the blanks; solve each proportion.

1) $3:7 = __:49$
21

2) $3:1 = __:4$
12

3) $1:4 = __:20$
5

4) $7:5 = 35:__$
25

5) $10:1 = 20:__$
2

6) $4:6 = 20:__$
30

7) $4:6 = 24:__$
36

8) $3:7 = 15:__$
35

9) $4:3 = 8:__$
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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