

2-4 Proportions_hw

Solve each proportion.

1) $\frac{m}{5} = \frac{8}{4}$

2) $\frac{v}{5} = -\frac{7}{6}$

3) $\frac{x}{7} = \frac{2}{6}$

4) $-\frac{x}{4} = \frac{6}{2}$

5) $\frac{4}{2} = -\frac{m}{6}$

6) $\frac{3}{5} = -\frac{6}{v}$

7) $\frac{7}{n} = -\frac{6}{2}$

8) $\frac{7}{2} = \frac{2}{n}$

9) $\frac{2}{8} = -\frac{b}{6}$

10) $\frac{6}{x} = \frac{3}{8}$

11) $\frac{5}{x} = -\frac{4}{2}$

12) $\frac{2}{8} = -\frac{4}{n}$

13) $-\frac{2}{8} = \frac{x}{4}$

14) $\frac{v}{6} = \frac{7}{3}$

15) $\frac{6}{p} = -\frac{8}{3}$

16) $\frac{r}{6} = \frac{3}{8}$

17) $-\frac{4}{6} = \frac{5}{n}$

18) $\frac{8m}{4} = \frac{5}{2}$

19) $\frac{x}{4} = -\frac{7}{8}$

20) $\frac{5}{r} = \frac{2}{8}$

Answer each question and round your answer to the nearest whole number.

21) One fruit platter costs \$20. How many fruit platters can you buy for \$40?

22) Adam bought seven bulbs of elephant garlic for \$2. How many bulbs can Daniel buy if he has \$12?

23) Kim bought three seedless watermelon for \$2. If Kim buys 18 seedless watermelons, how much will she spend?

24) Eight bunches of asparagus costs \$3. How much will it cost if you buy 24 bunches?

25) Ryan reduced the size of a photo to a height of 3 in. What is the new width if it was originally 18 in tall and 6 in wide?

26) Cody reduced the size of a triangle to a width of 3 in. What is the new height if it was originally 4 in tall and 6 in wide?

27) Jacob enlarged the size of a rectangle to a height of 12 in. What is the new width if it was originally 2 in wide and 3 in tall?

28) A rectangle is 3 in tall and 2 in wide. If it is enlarged to a height of 15 in, then how wide will it be?

Solve each proportion.

$$29) \frac{2}{4} = \frac{2n+2}{6}$$

$$30) \frac{2}{3} = \frac{4}{3v-5}$$

$$31) -\frac{2}{6} = \frac{4}{r+5}$$

$$32) \frac{2v-2}{4} = \frac{4}{2}$$

$$33) \frac{4}{2p+4} = -\frac{3}{4}$$

$$34) \frac{6}{n-1} = -\frac{3}{5}$$

$$35) \frac{5}{m+3} = \frac{6}{5}$$

$$36) \frac{3}{3x-2} = -\frac{2}{5}$$

$$37) \frac{x}{5} = \frac{x-4}{3}$$

$$38) \frac{5}{6} = \frac{m}{m-5}$$

$$39) -\frac{4}{a} = \frac{5}{a+1}$$

$$40) -\frac{4}{x} = -\frac{3}{x+2}$$

$$41) \frac{3}{6} = \frac{m+5}{m}$$

$$42) \frac{k-2}{3} = \frac{k}{2}$$

$$43) \frac{n-4}{2n+4} = -\frac{5}{6}$$

$$44) \frac{r+5}{r-5} = -\frac{5}{2}$$

$$45) \frac{n+3}{6} = \frac{n-5}{2}$$

$$46) \frac{3}{2} = \frac{n+3}{2n-2}$$

$$47) \frac{6}{5x-5} = -\frac{3}{x+4}$$

$$48) \frac{2n-6}{2n+6} = -\frac{2}{6}$$

$$28) \frac{10 \text{ in}}{32} \{5\} \quad 36) \frac{11}{6} \{-8\} \quad 44) \frac{15}{7} \{3\} \quad 48) \frac{3}{2}$$

$$27) \frac{8 \text{ in}}{31} \{-17\} \quad 35) \frac{7}{6} \{6\} \quad 39) \frac{4}{9} \{-9\} \quad 43) \frac{1}{4} \{4\} \quad 47) \frac{3}{7}$$

$$26) \frac{2 \text{ in}}{30} \left\{ \frac{11}{3} \right\} \quad 34) \{-9\} \quad 38) \{-25\} \quad 42) \{-4\} \quad 46) \{3\}$$

$$25) \frac{1 \text{ in}}{29} \left\{ \frac{1}{2} \right\} \quad 33) \left\{ -\frac{14}{3} \right\} \quad 37) \{10\} \quad 41) \{-10\} \quad 45) \{9\}$$

$$4) \{-12\} \quad 8) \left\{ \frac{4}{7} \right\} \quad 12) \{-16\} \quad 16) \left\{ \frac{9}{4} \right\} \quad 20) \{20\} \quad 24) \$9$$

$$3) \left\{ \frac{7}{3} \right\} \quad 7) \left\{ -\frac{7}{3} \right\} \quad 11) \left\{ -\frac{5}{2} \right\} \quad 15) \left\{ -\frac{9}{4} \right\} \quad 19) \left\{ -\frac{7}{2} \right\} \quad 23) \$12$$

$$2) \left\{ -\frac{35}{6} \right\} \quad 6) \{-10\} \quad 10) \{16\} \quad 14) \{14\} \quad 18) \left\{ \frac{5}{4} \right\} \quad 22) 42$$

$$1) \{10\} \quad 5) \{-12\} \quad 9) \left\{ -\frac{3}{2} \right\} \quad 13) \{-1\} \quad 17) \left\{ -\frac{15}{2} \right\} \quad 21) 2$$

Answers to 2-4 Proportions_hw