

Written Exercises

A 1. Tell whether the proportion is correct.

a. $\frac{r}{s} = \frac{a}{b}$

b. $\frac{j}{a} = \frac{s}{r}$

c. $\frac{a}{b} = \frac{n}{t}$

d. $\frac{t}{k} = \frac{a}{j}$

e. $\frac{r}{s} = \frac{n}{k}$

f. $\frac{b}{j} = \frac{t}{k}$

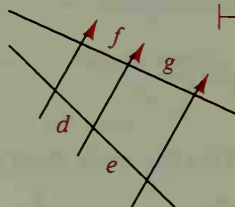
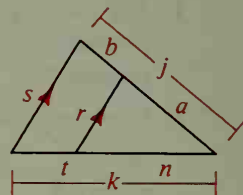
2. Tell whether the proportion is correct.

a. $\frac{d}{f} = \frac{g}{e}$

b. $\frac{f}{g} = \frac{e}{d}$

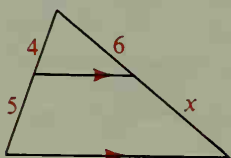
c. $\frac{g}{f} = \frac{e}{d}$

d. $\frac{d}{f} = \frac{e}{g}$

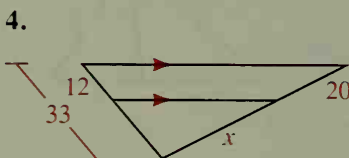


Find the value of x .

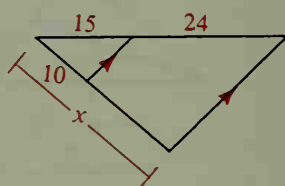
3.



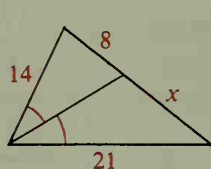
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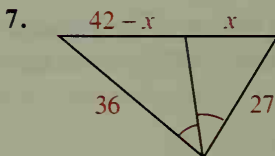
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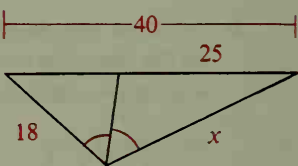
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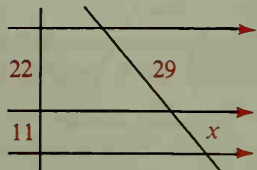
7.



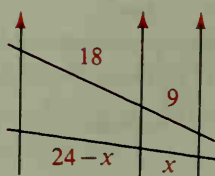
8.



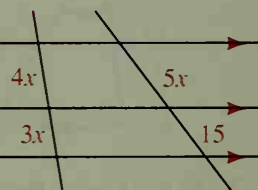
9.



10.



11.



Copy the table and fill in as many spaces as possible. It may help to draw a new sketch for each exercise and label lengths as you find them.

| | AR | RT | AT | AN | NP | AP | RN | TP |
|-----|----|----|----|----|----|----|----|----|
| 12. | 6 | 4 | ? | 9 | ? | ? | ? | 15 |
| 13. | ? | ? | ? | ? | 6 | 16 | ? | ? |
| 14. | 18 | ? | ? | ? | ? | ? | 30 | 40 |
| 15. | 12 | ? | 20 | ? | ? | 30 | 15 | ? |
| 16. | ? | 18 | ? | ? | 26 | ? | 12 | 36 |
| 17. | ? | 8 | 16 | 6 | ? | ? | ? | ? |

B

