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## 6th Grade Proportions Worksheets

### Questions

1. What is the missing number in the following proportions?

$$45 : 80 = 90 : \square$$

$$24 : 100 = 60 : \square$$

$$20 : \square = 70 : 63$$

$$150 : 750 = \square : 35$$

2) At the child care centre the ratio of girls to boys was 8:4. For every \_\_\_\_ girl there are \_\_\_\_ boys.



3) For every 4 board games, Sarah owned 20 marbles. What is her ratio of board games to marbles?

(4) If 2 dozen mangoes cost \$7, then how many mangoes can be purchased with \$98?



(5) Jacob starts his office work daily at 12:00 PM and ends at 08:00 PM. He takes a break of 30 minutes to have lunch and two coffee breaks of 15 minutes each. The ratio of the time he spends working to his breaks is \_\_\_\_\_:\_\_\_\_\_.

(6) If the width of a rectangular farm is 90 m and its perimeter is 300 m, then what is the ratio of the width of the park to its length?



7. Kane and Patrick are sharing a packet of candies in the ratio 3:4. Kane gets 30 candies. How many candies does Patrick get?

8. Jennifer can make 40 cane baskets in 45 days. At this rate, in how many days can she make 30 baskets?



9. Emily drove at 50 km/h for 3 hours. If she continues driving at the same speed, how much distance will she cover in 15 hours?

10. Split \$280 into the following ratios:

- a. 3:1
- b. 1:4
- c. 3:7

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in an interesting way,  
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## Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1. $45 : 80 = 90 : 160$ $24 : 100 = 60 : 250$ $20 : 18 = 70 : 63$ $150 : 750 = 7 : 35$	6. 3:2
2. For every 8 girls there are 4 boys.	7. 40 candies
3. 4:20 or 1:5	8. 33.75 basket
4. \$168	9. 750 km
5. 6:1	10. a. $3 : 1 = 210 : 70$ b. $1 : 4 = 56 : 224$ c. $3 : 7 = 84 : 196$