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6th Grade Proportions Worksheets

Questions

(1) Complete the table if the given numbers are in proportion.

(a)

x	9	6			18
y	21		35	63	42

(2) In an office, the ratio of the number of female employees to the male employees is 4:7. What is the number of female employees if there are 70 male employees?



(3) John scored 85 out of 90 in a Math test and 56 out of 60 in a writing test. In which subject did he perform better?

(4) Barbara is 60 years old and her neighbor Natalie is 65 years old. In 10 years, the ratio of their ages will be

(5) Jessy runs 4 miles in 30 minutes. At this rate, how far could she run in 45 minutes?

(6) Ron gets a salary of \$3440 every month and he sends \$480 out of that for her parents. The ratio of the money he sends to his parents to the amount he is left with is ____ : ____



(7) Divide 800 in the ratio of 3:5

4 taps can empty an oil tank in 15 hours.

8) How many taps are needed to empty the oil tank in 30 hours?

9) How much time will 12 taps take to empty the oil tank?



(10) 12 workers can complete a construction job in 8 days.

(i) How many days will 6 men take to complete the same job?

(ii) How many workers will be needed to complete the construction job in 2 days?

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"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. <table border="1"><tr><td>x</td><td>9</td><td>6</td><td>15</td></tr><tr><td>y</td><td>21</td><td>14</td><td>35</td></tr></table>	x	9	6	15	y	21	14	35	6. 6:37
x	9	6	15						
y	21	14	35						
2. 40	7. 300:500								
3. In Math test.	8. 2 taps								
4. 14:15	9. 5 hours								
5. 6 miles	10. (i) 16 days (ii) 48 workers								