

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

Questions

1. A car travels $\frac{3}{4}$ mile in $\frac{1}{6}$ hour. What is its speed in miles per hour?
1. A car travels $\frac{3}{4}$ mile in $\frac{1}{6}$ hour. What is its speed in miles per hour?
2. A runner covers $\frac{5}{6}$ mile in $\frac{1}{4}$ hour. What is the runner's speed in miles per hour?
3. A bicycle travels $\frac{7}{8}$ mile in $\frac{1}{3}$ hour. What is its speed in miles per hour?
4. A painter paints $\frac{2}{5}$ of a fence in $\frac{1}{3}$ hour. At that rate, how long will it take to paint the whole fence?
5. A pipe fills $\frac{1}{3}$ of a tank in $\frac{1}{4}$ hour. How long to fill the entire tank at that rate?
6. Worker A paints $\frac{1}{3}$ of a house per hour and Worker B paints $\frac{1}{4}$ of a house per hour. How long will they take together to paint one house?
7. $\frac{3}{4}$ pound of apples costs \$2.25. What is the cost per pound?
8. A printer prints $\frac{5}{6}$ of a batch in $\frac{1}{2}$ hour. How long will it take to print one whole batch?
9. A jogger runs $\frac{3}{5}$ mile in $\frac{2}{3}$ hour. What is the jogger's speed in miles per hour?
10. A landscaper mows $\frac{2}{3}$ acre in $\frac{3}{4}$ hour. What is the mowing rate in acres per hour?
11. A car travels at $\frac{4}{5}$ mile per hour. How far will it travel in $\frac{3}{2}$ hours?
12. A bike goes $\frac{7}{6}$ miles per hour. How long will it take to go $\frac{5}{4}$ miles?
13. One faucet fills $\frac{2}{5}$ of a tank in $\frac{1}{6}$ hour. If two identical faucets are used, how long will they take together to fill the tank?
14. A runner covers $1\frac{1}{4}$ miles in $\frac{2}{3}$ hour. What is the runner's speed in miles per hour?
15. A recipe uses $\frac{3}{8}$ cup of sugar for half a batch. How much sugar is needed for a full batch?
16. A worker completes $\frac{2}{3}$ of a job in $\frac{3}{4}$ hour. How many hours to finish the whole job at the same rate?
17. Tap A fills $\frac{1}{2}$ tank in $\frac{3}{4}$ hour. Tap B fills $\frac{1}{3}$ tank in $\frac{1}{2}$ hour. If both taps run together, how long to fill the tank?
18. A cyclist travels $2\frac{1}{2}$ miles in $\frac{3}{4}$ hour. What is the cyclist's speed in miles per hour?
19. A painter paints $\frac{7}{10}$ of a room in $\frac{2}{5}$ hour. How many rooms can the painter paint per hour?
20. A bus travels $\frac{9}{8}$ mile per hour. How long will it take to travel $\frac{7}{8}$ mile?
21. A machine produces $\frac{3}{7}$ of a part in $\frac{1}{5}$ hour. How many hours to produce 10 parts at that rate?
22. A jogger runs at $\frac{4}{5}$ mile per hour. How far does the jogger go in $\frac{7}{6}$ hours?
23. Worker A paints $\frac{3}{8}$ of a house in $\frac{1}{2}$ day. Worker B paints $\frac{1}{4}$ of a house in $\frac{1}{3}$ day. If they work together, how long to paint the whole house?
24. A harvester harvests $\frac{5}{6}$ acre in $\frac{3}{5}$ day. How many days to harvest 3 acres at that rate?
25. A person walks $\frac{2}{3}$ mile in $\frac{1}{9}$ hour. What is the walking speed in miles per hour?
26. A car uses $\frac{5}{8}$ gallon of gas to travel $\frac{1}{10}$ mile. What is the car's fuel efficiency in miles per gallon?
27. A bicyclist covers $\frac{9}{10}$ mile in $\frac{3}{5}$ hour. What is the bicyclist's speed in miles per hour?
28. A machine makes $\frac{3}{4}$ of a batch in $\frac{2}{5}$ hour. How many batches per hour can it make?

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29. A delivery truck carries $\frac{11}{12}$ ton in $\frac{2}{3}$ hour. What is its rate in tons per hour?
30. Hose A fills $\frac{2}{7}$ of a pool in $\frac{1}{2}$ hour. Hose B fills $\frac{1}{3}$ of the pool in $\frac{1}{3}$ hour. How long will both hoses take together to fill the pool?
31. A typist types $\frac{5}{12}$ of a book in $\frac{1}{4}$ hour. How many hours to type 2 books at that rate?
32. A walker travels at $\frac{2}{3}$ mile per hour. How far will the walker go in $3\frac{1}{2}$ hours?
33. A skateboarder goes $\frac{7}{12}$ mile in $\frac{1}{10}$ hour. What is the skateboarder's speed in miles per hour?
34. A pump fills $\frac{3}{5}$ of a tank in $\frac{2}{7}$ hour. How long to fill the whole tank?
35. A swimmer swims $\frac{2}{3}$ kilometer in $\frac{3}{10}$ hour. What is the swimmer's speed in km per hour?
36. A printer prints $\frac{7}{9}$ of a stack in $\frac{1}{6}$ hour. How long does it take to print one whole stack?
37. A car travels $\frac{5}{6}$ mile in $\frac{1}{5}$ hour. How far will it go in $2\frac{1}{2}$ hours at the same speed?
38. A factory produces $\frac{4}{5}$ of a product in $\frac{3}{4}$ day. How many days to produce 10 products?
39. A rider moves at $\frac{3}{10}$ mile per minute. How far does the rider go in $\frac{7}{4}$ minutes?
40. A student reads $\frac{2}{5}$ of a book in $\frac{1}{6}$ day. How many days to read the whole book?
41. A drain removes $\frac{5}{12}$ of a tank per hour. How long to empty $\frac{7}{8}$ of the tank?
42. A baker bakes $3\frac{1}{2}$ dozen cookies in $\frac{2}{3}$ hour. How many dozen per hour? How many cookies per hour?
43. Worker A paints $\frac{1}{6}$ of a house per hour and Worker B paints $\frac{1}{4}$ of a house per hour. If they work together for $\frac{2}{3}$ hour, what fraction of the house will be painted?
44. A car uses $\frac{2}{5}$ gallon of gas to travel $\frac{3}{20}$ mile. How many gallons does it use per mile?
45. A conveyor moves $\frac{7}{8}$ ton in $\frac{5}{6}$ hour. How long will it take to move 3 tons at that rate?
46. John types $\frac{2}{5}$ of a page in $\frac{1}{12}$ hour. How many pages can he type per hour?
47. One tap fills $\frac{3}{10}$ of a pool in $\frac{1}{5}$ hour. How many identical taps working together are needed to fill the pool in $\frac{1}{4}$ hour? (Give the exact number; how many whole taps are needed in practice?)
48. A cyclist travels $5\frac{1}{2}$ miles in $\frac{7}{6}$ hours. What is the cyclist's speed in miles per hour?
49. Printer A prints $\frac{3}{4}$ of a job in $\frac{1}{3}$ hour. Printer B prints $\frac{2}{5}$ of the job in $\frac{1}{4}$ hour. If they work together, how long to complete one whole job?
50. A gardener waters $\frac{4}{5}$ of a garden in $\frac{2}{5}$ hour. How long to water the entire garden at that rate?