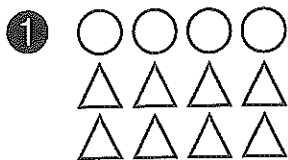


Use equivalent ratios. Find the unit rate.



rate 8 : 4  
unit rate \_\_\_\_ : 1

	1	4	
		8	

② 30 miles in 5 hours  
rate 30 : \_\_\_\_  
unit rate \_\_\_\_ : 1  
\_\_\_\_ mph

Miles per hour is a rate.

③ 3 for \$21.00  
rate 3 : \_\_\_\_  
unit rate \_\_\_\_ : \_\_\_\_

④ 36 inches in 3 feet  
rate \_\_\_\_ : \_\_\_\_  
unit rate 


Use the formula Distance = rate x time ( $D = rt$ ) to complete the chart.

	Distance	rate (speed)	time
⑤	_____ miles	25 mph	3 h
⑥	_____ kilometers	14 kph	4 h
⑦	_____ feet	6 ft per sec	2 sec
⑧	42 miles	_____ mph	7 h
⑨	256 miles	40 mph	_____ h
⑩	60 km	30 kph	_____ h
⑪	90 km	40 kph	_____ h
⑫	_____	20 kph	8 h
⑬	_____	30 kph	3 h
⑭	100 miles	_____	4 h



Look at the chart. Did you divide to solve some problems? Draw a circle around these problems.

Name \_\_\_\_\_

Complete the ratio tables. Write the unit rate.

1	km		50	150
	h	1		6

unit rate \_\_\_\_ : \_\_\_\_

\_\_\_\_ km per hour

2 6 for \$36.00  
unit rate \_\_\_\_ for \_\_\_\_

3 9 : 180  
unit rate \_\_\_\_ : \_\_\_\_

4 5 for \$46.00  
unit rate \_\_\_\_ for \_\_\_\_

5 4 : 240  
unit rate \_\_\_\_ : \_\_\_\_

6 35 : 70  
unit rate \_\_\_\_ : \_\_\_\_

7 7 : 210  
unit rate \_\_\_\_ : \_\_\_\_

8 8 : 64  
unit rate \_\_\_\_ : \_\_\_\_

9 10 for \$50.00  
unit rate \_\_\_\_ for \_\_\_\_

10 3 : 180  
unit rate \_\_\_\_ : \_\_\_\_

11 100 for \$10.00  
unit rate \_\_\_\_ for \_\_\_\_

12 12 : 72  
unit rate \_\_\_\_ : \_\_\_\_

Use the formula  $D = rt$  to find the missing information.

13 rate: 50 miles/hr  
time: 2 hours  
Distance: \_\_\_\_\_

14 rate: 30 km/hr  
time: 4 hours  
Distance: \_\_\_\_\_

15 rate: 40 km/hr  
time: 8 hours  
Distance: \_\_\_\_\_

16 Distance: 400 miles  
rate: 40 mph  
time: \_\_\_\_\_

17 Distance: 10 km  
rate: 10 kph  
time: \_\_\_\_\_

18 Distance: 30 miles  
rate: 15 mph  
time: \_\_\_\_\_

19 Distance: 315 miles  
time: 3 hours  
rate: \_\_\_\_\_

20 Distance: 1,400 km  
time: 70 hours  
rate: \_\_\_\_\_

21 Distance: 100 m  
time: 10 seconds  
rate: \_\_\_\_\_



Tell the steps you take to find a unit rate.

Find the unit rate.

①  $24 : 6$

unit rate \_\_\_\_\_ : \_\_\_\_\_

②  $12 : 96$

unit rate \_\_\_\_\_ : \_\_\_\_\_

③  $80 : 40$

unit rate \_\_\_\_\_ : \_\_\_\_\_

④  $\frac{18}{3}$

unit rate \_\_\_\_\_

⑤  $\frac{44}{11}$

unit rate \_\_\_\_\_

⑥  $\frac{42}{6}$

unit rate \_\_\_\_\_

⑦ 12 for \$136

unit rate \_\_\_\_\_

⑧ 27 ft to 9 yd

unit rate \_\_\_\_\_

⑨ 6 for \$2.40

unit rate \_\_\_\_\_

Use the formula  $D = rt$ .

⑩ rate: 55 mph

time: 8 hours

Distance: \_\_\_\_\_

⑪ rate: 20 mph

time: 6 hours

Distance: \_\_\_\_\_

⑫ rate: 30 kph

time: 5 hours

Distance: \_\_\_\_\_

⑬ Distance: 90 miles

rate: 15 mph

time: \_\_\_\_\_

⑭ Distance: 300 miles

rate: 15 mph

time: \_\_\_\_\_

⑮ Distance: 250 km

rate: 50 kph

time: \_\_\_\_\_

⑯ Distance: 350 miles

time: 7 hours

rate: \_\_\_\_\_

⑰ Distance: 40 km

time: 8 hours

rate: \_\_\_\_\_

⑱ Distance: 50 m

time: 25 seconds

rate: \_\_\_\_\_

⑲ Distance: 30 miles

time: 30 minutes

rate: \_\_\_\_\_

⑳ Distance: 85 km

time: 5 minutes

rate: \_\_\_\_\_

㉑ Distance: 200 m

time: 5 minutes

rate: \_\_\_\_\_



Explain how you used the formula  $D = rt$  to solve Problem 10.