Two Unit Rates

ANSWER KEY • Amplify Alignment: Grade 6 Accelerated, Unit 2, Lesson 17

Problems 1–3: A school printer can print 180 pages every 4 minutes.

1. **How many pages can the printer print per minute?** 45 pages

2. **How many minutes does it take to print one page?** $\frac{1}{45}$ minute (about 1.3 seconds)

3. **How many pages can be printed in 12 minutes?** 540 pages

4. **An orchard lets you pick 3 pounds of apples for $6.**
   - **a** What is the cost per pound? $2
   - **b** How many pounds can you buy per dollar? $\frac{1}{2}$ pound
   - **c** At this rate, how many pounds can you buy for $15? $7\frac{1}{2}$ pounds
   - **d** How much will 9 pounds of apples cost? $18

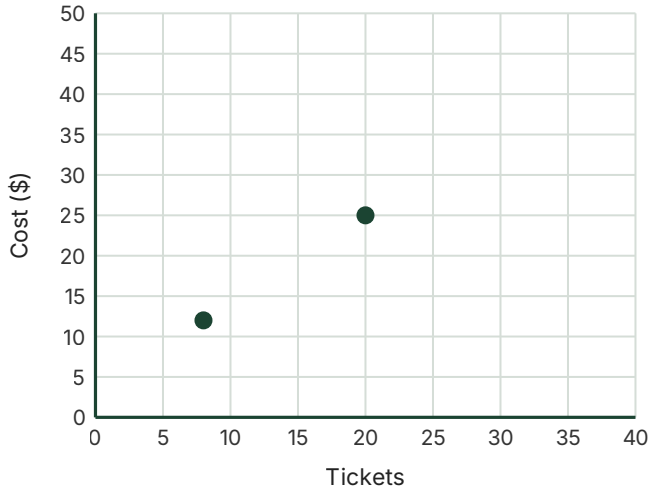
5. **A farm stand sells 5 pounds of peaches for $12.50.**
   - **a** What is the cost per pound? $2.50
   - **b** How many pounds can you buy per dollar? 0.4 pound
   - **c** At this rate, how many pounds can you buy for $20? 8 pounds
   - **d** How much will 7 pounds of peaches cost? $17.50

Problems 6–8: Juan paid $12 for 8 ride tickets at the school fair.

6. Complete the table to show the cost of different numbers of tickets.

Tickets	Cost ($)
8	12
1	**1.50**
20	**30**
30	45
14	21

7. Juan says this graph shows two pairs of numbers of tickets and their cost. Is Juan's graph correct? Explain your thinking.



Problem 7: Not completely. The point (8, 12) is correct, but the point (20, 25) is not. At $1.50 per ticket, 20 tickets cost $30, so the point should be (20, 30).

8. Kim says that if she pays $7 for 5 tickets, she is getting a better deal than Juan. Is Kim correct? Explain your thinking.

Yes. Kim pays $7 ÷ 5 = $1.40 per ticket. Juan pays $1.50 per ticket.