math Antics Exercises

Name: _____

Date: _____

Division: The Partial Quotients Method

Use the partial quotients method to solve these division problems. Note: each student's answers should match the answer key, but the path they take to reach it may be different.

1

$16\overline{)472}$

- 160	10
312	
- 160	10
152	
- 64	4
88	
- 64	4
24	
- 16	1
8	

16 × 2 = 32

16 × 10 = 160

16 × 4 = 64

29 r8

2

$21\overline{)5,675}$

- 2100	100
3575	
- 2100	100
1475	
- 1050	50
425	
- 420	20
5	

21 × 2 = 42

21 × 100 = 2100

21 × 20 = 420

21 × 50 = 1050

270 r5

3

$325\overline{)8,476}$

- 3250	10
5226	
- 3250	10
1976	
- 1300	4
676	
- 650	2
26	

325 × 10 = 3250

325 × 2 = 650

325 × 4 = 1300

26 r26

4

$78\overline{)1,349}$

- 780	10
569	
- 156	2
413	
- 156	2
257	
- 156	2
101	
- 78	1
23	

78 × 2 = 156

78 × 10 = 780

17 r23

See Video for step-by-step solutions to each problem.