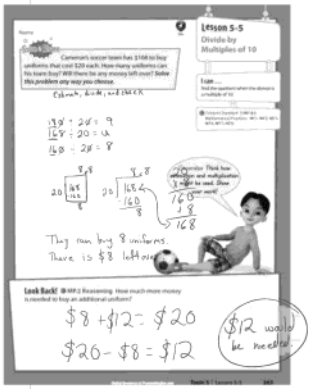
# Lesson 5-5 Goldman Absent

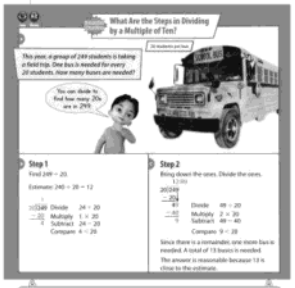
Monday, December 6, 2021 9:52 AM

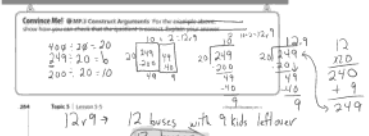
Notes 5-5 - Goldman

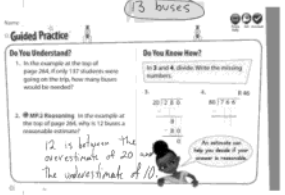
Thursday, October 24, 2019 1:30 PM

Divide by Multiples of 10




Name
Math

11/18/19
MB 265-266

① 140 ÷ 20 = 7
137 ÷ 20 = 6
120 ÷ 20 = 6

6 r 17 → 7 buses

x x 6 r 17
20 | 137
-120
17

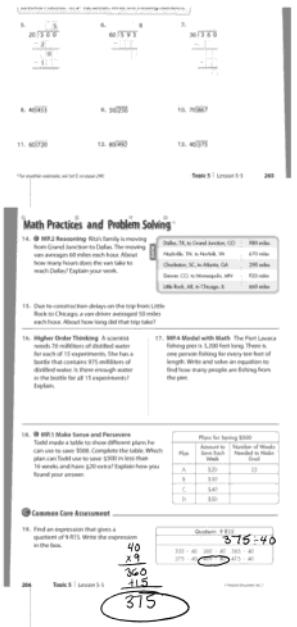
20
x 6
120
+ 17
137


③ 400 ÷ 20 = 20
280 ÷ 20 = 14
200 ÷ 20 = 10

x 14
20 | 280
-20↓
80

14
x20
280

Topic 5 Page 1



Math Practices and Problem Solving

14. MP.2 Reasoning Rita's family is moving from Grand Junction to Dallas. The moving van averages 50 miles each hour. About how many hours does the van take to reach Dallas? Explain your work.

15. Due to construction delays on the trip from Little Rock to Chicago, a van driver averaged 50 miles each hour. About how long did that trip take?

16. Higher Order Thinking A scientist needs 70 milliliters of distilled water for each of 15 experiments. She has a bottle that contains 975 milliliters of distilled water. Is there enough water in the bottle for all 15 experiments? Explain.

17. MP.4 Model with Math The Port Lavaca fishing pier is 3,200 feet long. There is one person fishing for every ten feet of length. Write and solve an equation to find how many people are fishing from the pier.

Common Core Assessment

18. MP.1 Make Sense and Persevere Todd made a table to show different plans he can use to save $500. Complete the table. Which plan can Todd use to save $500 in less than 16 weeks, and have $20 extra? Explain how you found your answer.

| Plan | Amount to Save Each Week | Number of Weeks Needed to Make Goal |
|---|---|---|
| A | $20 | 25 |
| B | $30 | |
| C | $40 | |
| D | $50 | |

19. Find an expression that gives a quotient of 9 R15. Write the expression in the box.

375 ÷ 40

40 × 9 = 360
360 + 15 = 375

280 ÷ 20 = 14
200 ÷ 20 = 10

20 | 280 ← ×20
−20↓ 280
80
−80
0

13. 400 ÷ 40 = 10
375 ÷ 40 = X
360 ÷ 40 = 9

40 | 375 ← ×9, 15
−360
15

40 × 9 = 360
360 + 15 = 375

Complete 5, 16, 19

5. 400 ÷ 20 = 20
300 ÷ 20 = n
200 ÷ 20 = 10

20 | 300 ← ×15
−20↓
100
−100
0

15 × 20 = 300

16. 1400 ÷ 70 = 20
975 ÷ 70 = X
700 ÷ 70 = 10

70 | 975 ← ×13, ×65
−70↓
275
−210
65

13 × 70 = 910
910 + 65 = 975

No. There is enough water for 13 experiments with 65 mL of water left over.

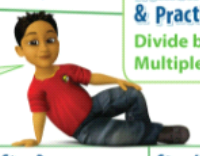
Name _____

Help Practice Buddy Task Games

## Homework & Practice 5-5
### Divide by Multiples of 10

**Another Look!**

Bo has 623 bottle caps to divide equally among 40 friends. How many caps will each friend get? Will there be any caps left?



**Step 1**
Divide the tens.

1
40)623 ← 62 tens ÷ 40
40
↑
40 × 1 ten = 40 tens

**Step 2**
Subtract the tens. Bring down the ones.

1
40)623
−40↓
223

**Step 3**
Divide the ones.

15
40)623
−40
223 ← 223 ones ÷ 40
200
↑
40 × 5 ones = 200 ones

**Step 4**
Subtract the ones. Write the remainder.

15 R 23
40)623
−40
223
−200
23
Each friend will get 15 caps and 23 caps will be left.

**Leveled Practice** In **1–8**, find the quotient.

1. ☐☐ R ☐
20 | 3 5 9
−☐☐↓
☐☐☐
−☐☐☐

2. ☐☐
30 | 4 8 0
−☐☐↓
☐☐☐
−☐☐☐

Remember to compare the remainder to the divisor.

3. 40)746

4. 50)800

5. 70)632

6. 60)779

7. 40)920

8. 30)332

9. **Use Structure** Why can the calculations in red be thought of as simpler problems? Describe the simpler problems.

```
  12 R 13
80 ) 973   ← 97 tens ÷ 80 groups
 −80       ← 80 × 1 ten
 173       ← 173 ones ÷ 80 groups
−160       ← 80 × 2 ones
  13
```

10. **Construct Arguments** A county has 90 schools. The county received 992 new computers. Are there enough computers so that each school can get 11 new computers? Explain.

11. Twin Oaks Soccer Field is a rectangle. The longer side of the field is 108 yards long. What is the perimeter of the field?


12. **Higher Order Thinking** Liza makes 20 minutes of phone calls each day. Which plan will give Liza enough minutes for June, with between 30 and 50 minutes left? Show your work.

13. Mark and his brother signed up for the Catch Up phone plan. They share the minutes every month equally. How many minutes can Mark use each day without going over his share of minutes?

DATA

**Speed Link Company Phone Plans**

| Plan Name | Number of Minutes Per Month |
|---|---|
| Connect | 550 |
| Chat | 625 |
| Share | 650 |
| Catch Up | 700 |

**Assessment**

14. Find an expression that gives a quotient of 16. Write the expression in the box.

16
×40
640

640 ÷ 40 = 16

| Quotient: 16 | | |
|---|---|---|
| 640 ÷ 40 | | |
| 600 ÷ 40 | 620 ÷ 40 | 640 ÷ 40 |
| 644 ÷ 40 | 660 ÷ 40 | 680 ÷ 40 |




D ivide
M ultiply
S ubtract
C heck the divisor
B ring down

① 400 ÷ 20 = 20
359 ÷ 20 = x
200 ÷ 20 = 10

```
 X 17 R 19
20 ) 359
-20 ↓
 159
-140
  19
```

```
  17
×20
340
+19
359
```

② 600 ÷ 30 = 20
480 ÷ 30 = x
300 ÷ 30 = 10

```
 X 16
30 ) 480
-30 ↓
 180
-180
   0
```

```
  16
×30
480
```

Complete # 3, 8, 10 & 14

③ 800 ÷ 40 = 20
746 ÷ 40 = x
400 ÷ 40 = 10

```
 X 18  R 26
40 ) 746
-40 ↓
```

```
  18
×40
720
```

146 ÷ 40 = x
400 ÷ 40 = 10

40 | 146
-40↓
34 6
-320
26

x40
720
+26
746

(8)

360 ÷ 30 = 12
332 ÷ 30 = x
330 ÷ 30 = 11

600 ÷ 30 = 20
332 ÷ 30 = x
300 ÷ 30 = 10

x11 r2
30 | 332
-30↓
32
-30
2

11
x30
330
+2
332

(10)

1080 ÷ 90 = 12
992 ÷ 90 = c
990 ÷ 90 = 11

1800 ÷ 90 = 20
992 ÷ 90 = c
900 ÷ 90 = 10

x11 r2
90 | 992
-90↓
92
-90
2

11
x90
990
+2
992

Yes, the quotient is 11 r2. Each school gets 11 computers with 2 computers left over.