Lesson 131 Name Date

Learning multiplication facts with products up to 81; regrouping twice with multiplication

Check each multiplication problem with addition.

① 153 × 4 = 612 (153 + 153 + 153 + 153 = 612)

② 958 × 3 = 2,874 (958 + 958 + 958 = 2,874)

③ 368 × 2 = 736 (368 + 368 = 736)

Check each addition problem with multiplication.

④ 476 + 476 = 952 (476 × 2 = 952)

⑤ 185 + 185 + 185 + 185 = 740 (185 × 4 = 740)

⑥ 143 + 143 + 143 + 143 + 143 + 143 = 858 (143 × 6 = 858)

⑦ 9 x 9 = 81

⑧ 8 x 8 = 64

⑨ 6 x 9 = 54

⑩ 8 x 9 = 72

123 × 7 = 861; 861 + 912 = 1,773

114 × 8 = 912

$1.36 × 6 = $8.16

$1.27 × 4 = $5.08; $8.16 + $5.08 = $13.24

8 x 7 = 56; 8 x 4 = 32; 7 x 6 = 42; 9 x 6 = 54; 8 x 9 = 72; 9 x 7 = 63; 9 x 9 = 81; 6 x 8 = 48

12 | 48 = 4; 2 | 8 = 4; 4 | 36 = 9; 6 | 18 = 3; 3 | 27 = 9; 4 | 24 = 6; 6 | 30 = 5; 5 | 15 = 3

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Homework

① 58

Which is heavier?

7. 5 pounds

8. 5 grams

(4 + 8) + 12 = 2 = (9 - 8) + 1) + 6

12 + 2 = 14

4 x 12 = 48

48 + 1 = 49

4 feet 1 inch = 49 inches

7 + 2 + 49 = 58

② 1,200

Round to the nearest hundred.

245 200 357 400 639 600

200 + 400 + 600 = 1,200

③ 77

2 years = 24 months

3 dozen plants= 36 plants

Today is Tuesday, March 21.

Last Friday was March 17.

F	S	S	M	T
17	18	19	20	21

24 + 36 + 17 = 77

④ 61

Heidi has 15 pets. 4/15 are dogs. 3/15 are rabbits. 2/15 are birds. 6/15 are cats.

Heidi has 4 dogs

6 cats

15 pets

perimeter?

12 yd, 6 yd

24 + 12 = 36

36 yd

4 + 6 + 15 + 36 = 61

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Guided Practice 131 Name

① 6,423

375 × 6 = 2,250

234 × 9 = 2,106

689 × 3 = 2,067

2,250 + 2,106 + 2,067 = 6,423

9 ÷ 3 = 3; 9 - 9 = 0; 9 ÷ 9 = 1; 0 ÷ 4 = 0; 0 - 0 = 0

② 87

68 ÷ 2 = 34; 68 - 6 = 8; 8 - 8 = 0

33 + 20 + 34 = 87

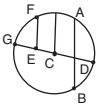
③ 110

(62, 52, 42, 32, 22, 12) -10

(49, 47, 45, 43, 41, 39, 37) -2

22 + 12 + 39 + 37 = 110

④ 41



radius?

6. AB

7. EF

8. GC

A bicycle might weigh _____.

14 grams

15 pounds

16 meters

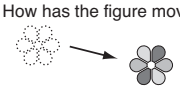
17 gallons

18 Y ÷ 3 = 6

Y = 18

8 + 15 + 18 = 41

How has the figure moved?



5. reflection (flip)

6. translation (slide)

7. rotation (turn)

⑤ 90

6 x 7 = 42

6 weeks = 42 days

36 + 6 = 42

3 x 12 = 36

3 feet 6 inches = 42 inches

6 + 42 + 42 = 90

⑥ 28

Tammi has 6 tables. She wants to put two chairs at each table. Which equation shows how many chairs she will need?

6. 6 + 2 =

7. 6 - 2 =

8. 6 x 2 = 12

9. 6 ÷ 2 =

longer?

6. 4 meters

7. 3 kilometers

13 H - 7 = 6

H = 13

8 + 7 + 13 = 28

Mason pays $2.50 each week to ride the bus. How much does he pay every three weeks?

$2.50 x 3 = $7.50 $7.50

Four strawberries cost 28¢. How much does one strawberry cost?

28¢ ÷ 4 = 7¢

7¢

Six nails cost 9¢. How much will 18 nails cost?

6 → 9¢ (x3 → x3) 18 → 27¢

27¢

⑦ $7.84

$7.50 + .07 + .27 = $7.84

⑧ 14

Rafe has 4 cats and 7 birds. Lynn has 6 dogs, 3 rabbits and 5 birds. They put the birds and the rabbits into cages. How many of their pets are not in cages?

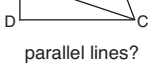
4 + 6 = 10

10 pets

Burt has 24 apples. A box holds 6 apples. How many boxes does he need?

24 ÷ 6 = 4

4 boxes



parallel lines?

7. AB and BC

8. BA and CD

9. DA and AB

area?

5 ft, 5 ft

5 x 5 = 25

25 sq ft

⑨ 41

Jerry has 80¢ in dimes, 75¢ in quarters and 40¢ in nickels. How many nickels does he have?

40¢ ÷ 5¢ = 8

8 nickels

10 + 4 = 14

8 + 25 + 8 = 41

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