Using a Measurement Scale

(1) Fill in the blanks on the measurement scale.

kg 0 _____ 50   75 _____

g 0   25,000   100,000
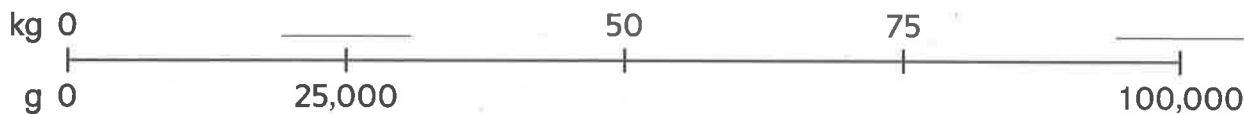
Complete the two-column tables.

(2)

Kilograms (kg)	Grams (g)
6	
14	
	27,000
101	

(3)

Kilograms (kg)	Grams (g)
237	
98	
	485,000
920	

(4) Find three items in your home that have the mass listed in grams or kilograms. Be sure to tell whether the mass is kilograms or grams.

Item	Mass in Kilograms (kg) or Grams (g)

(5) Among other foods, a giraffe in a zoo eats 4 kg of plant pellets and 5 kg of hay each day. How many grams of these foods does a giraffe eat in one week?

Answer: _____ grams

Practice

(6) $52 * 7 =$ _____

(7) $99 * 4 =$ _____

(8) $61 * 8 =$ _____

(9) $49 * 6 =$ _____

Money Number Stories

> **Family Note** Today your child solved multistep number stories involving multiplication, addition, and subtraction of money amounts. Have your child explain a plan for solving each of the following problems and then solve it.

Mr. Russo is buying equipment for his baseball team. Use the table to the right to answer questions about his purchases.

Item	Price
Wooden bat	$49
Metal bat	$74
Glove	$35
Helmet	$22

(1) Mr. Russo needs 9 helmets and 8 gloves. How much will they cost in all?

Answer: $_____

(2) Mr. Russo wants to buy 6 bats for his team. How much more would it cost for him to buy 6 metal bats than 6 wooden bats?

Answer: $_____

(3) Mr. Russo buys 5 wooden bats and gives the cashier $300. How much change does he get?

Answer: $_____

(4) If the cashier only has $10 and $1 bills, what are two ways he could make Mr. Russo's change?

Answer: _____

_____

Practice

List the factors for the following numbers:

(5) 21 _____ _____ _____ _____

(6) 40 _____ _____ _____ _____ _____ _____ _____ _____

(7) 36 _____ _____ _____ _____ _____ _____ _____ _____ _____

(8) 45 _____ _____ _____ _____ _____ _____

Practicing Partial-Products Multiplication

Solve using partial-products multiplication.

SRB
106-107

① 46 * 38 = _____

②
```
    6 5
  * 3 2
  _____
```

③ Donnie and Raj went apple picking at an orchard that had 65 rows of trees. Each row had 22 trees in it. How many trees were in the orchard?

Number model with unknown: _____

Answer: _____ trees

④ A new apartment building has 33 floors, with 24 apartments on each floor. How many apartments are in the building?

Number model with unknown: _____

Answer: _____ apartments

Practice

⑤ 37 * 5 = _____

⑥ 27 * 6 = _____

⑦ 332 * 6 = _____

⑧ 2,958 * 7 = _____

Extended Multiplication Facts

Solve mentally.

(1) 6 * 7 = _____

6 * 70 = _____

60 * 7 = _____

60 * 70 = _____

600 * 7 = _____

60 * 700 = _____

(2) 5 * 6 = _____

5 * 60 = _____

50 * 6 = _____

50 * 60 = _____

500 * 6 = _____

50 * 600 = _____

(3) 4 * 8 = _____

4 * 80 = _____

40 * 8 = _____

40 * 80 = _____

400 * 8 = _____

40 * 800 = _____

(4) 5 * _____ = 15

30 * _____ = 150

30 * _____ = 1,500

_____ * 50 = 150

_____ * 500 = 1,500

30 * _____ = 15,000

(5) 54 is _____ times as many as 9.

540 is _____ times as many as 90.

5,400 is _____ times as many as 90.

540 is 60 times as many as _____.

5,400 is 6 times as many as _____.

54,000 is 6 times as many as _____.

Practice

Solve using U.S. traditional addition or subtraction.

(6) 6,419 + 7,809 = _____

(7) 8,045 − 5,906 = _____

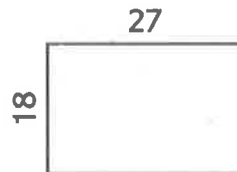(8) 76,543 + 84,086 = _____

(9) 65,409 − 32,777 = _____

Finding the Area

(1) Find the area.

Equation: _____

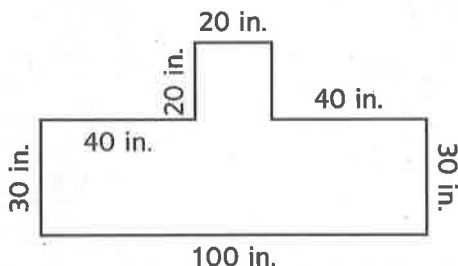Answer: _____ square units

27

18

SRB
104-107,
204-206

(2) A tool bench is 35 inches long and 19 inches wide.
How many square inches of the basement floor does it cover?

Equation: _____

Answer: _____ square inches

(3) Find the area.

20 in.

20 in.

40 in.

40 in.

30 in.

30 in.

100 in.

Equations: _____

_____

Answer: _____ square inches

Practice

List all of the factors for the numbers below.

(4) 48 _____

(5) 62 _____

(6) 63 _____

(7) 55 _____

Multistep Multiplication Number Stories

Write estimates and number models for each problem. Then solve.

1. Rosalie is collecting stickers for a scrapbook. She collected 8 stickers per day for 2 weeks and then collected 5 stickers per day for 2 weeks. How many stickers has Rosalie collected?

   Estimate: _____

   Number models with unknowns:

   _____

   _____

   Answer: _____ stickers

2. Rashaad's sister gives him 2 packs of baseball cards per month. Each pack has 11 cards. She gives him 3 extra packs for his birthday. How many cards does Rashaad get in a year?

   Estimate: _____

   Number models with unknowns:

   _____

   _____

   Answer: _____ cards

   Does your answer make sense? Explain. _____

   _____

Practice

Name all the factor pairs.

3. 50 _____

4. 72 _____

5. 85 _____

6. 90 _____

Lattice Multiplication

Use the lattice method to find the products.

Example   5 * 46 = _**230**_

```
        4     6
      ┌──┬──┐
     2│2╱│3╱│ 5
      │╱0│╱0│
      └──┴──┘
       3  0
```

① 8 * 67 = _____

② 7 * 836 = _____

③ 6 * 531 = _____

④ 44 * 58 = _____

⑤ 84 * 78 = _____

Practice

⑥ 77 * 8 = _____

⑦ 49 * 2 = _____

⑧ 89 * 4 = _____

⑨ 183 * 5 = _____