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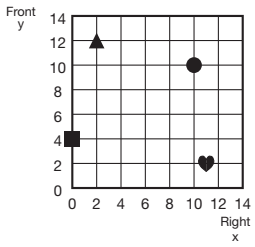
Unit 12: Home Practice

Part 1 Triangle Flash Cards: Last Six Facts

Study for the quiz on the multiplication facts for the last six facts. Take home your Triangle Flash Cards: Last Six Facts and the list of facts you need to study. Ask a family member to choose one flash card at a time. He or she should cover the largest number. Solve the multiplication fact with the two uncovered numbers. Your teacher will tell you when the quiz on the last six facts will be.

Part 2 Finding Locations

Give the location of each shape for this map.



Shape	Right x	Front y	Right, Front (x, y)
▲			
■			
●			
♥			

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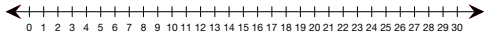
Part 3 Multiplication: Last Six Facts

Use fact strategies, drawings, number lines, and number sentences to solve the following problems.

1. A + 7 constant hopper started at 0 and hopped 4 times. Use the number line below to show where it will land. Write a multiplication number sentence to show the constant hopper's trip.



_____

2. Show or tell how you can use 3 × 8 to help you solve 6 × 8.

3. Mara was having trouble finding the answer for 6 × 7 = ☐. Explain how she can use 5 × 7 to help her find the answer.

4. Ms. Alfonso divided her class into 4 teams. There are 6 students on each team. Write a multiplication number sentence to show how many students are in Ms. Alfonso's class.

5. Miguel has a bookcase in his room that has 4 shelves. There are 8 books on each shelf. How many books are in Miguel's room?

6. Write a story and draw a picture about 8 × 7. Write a number sentence on your picture.

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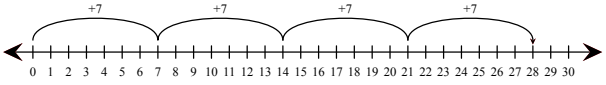
Home Practice
Part 2. Finding Locations (TG p. 1)

Shape	Right x	Front y	Right, Front (x, y)
▲	2	12	2, 12
■	0	4	0, 4
●	10	10	10, 10
♥	11	2	11, 2

Part 3. Multiplication: The Last Six Facts (TG p. 2)
Questions 1–6

1. **A.**



B. 7 × 4 = 28

2. Possible response: 3 × 8 = 24. You can double that to find the answer to 6 × 8. 24 + 24 = 48, so 6 × 8 = 48.

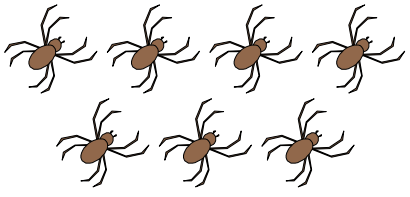
3. Possible response: 6 × 7 can be broken into 5 × 7 + 1 × 7. 5 × 7 = 35 and 1 × 7 = 7, so 6 × 7 = 35 + 7 or 42.

4. 4 × 6 = 24 students

5. **A.** 32 Books

   B. Possible response: I know that 2 × 8 = 16, so there are 16 books on 2 shelves. I doubled that to 32 to see how many books are on 4 shelves.

6. Possible response: There are 7 spiders. Each one has 8 legs. How many legs in all? 8 × 7 = 56 legs.



Home Practice
Part 4. Addition and Subtraction Practice (TG p. 3)
Questions 1–7

1. Space Needle, 605 ft;
   John Hancock Tower, 1127 ft;
   Empire State Building, 1250 ft;
   Willis Tower, 1454 ft
2. 327 feet
3. **A.** About 12 times taller
   B. About 30 times taller
4. About 2 times taller
5. 1815 feet
6. **A.** 1483 feet
   B. 29 feet taller
7. **A.** 11,083
   Possible strategy: 7000 + 4000 = 11,000
   B. 147
   Possible strategy: 630 – 500 = 130

Part 5. What is the Mass? (TG p. 4)
Questions 1–3

1. $9 \times 10 + 3 \times 5 = 105$ grams
2. $3 \times 10 + 9 \times 5 + 3 \times 1 = 78$ grams
3. $60 \div 3 = 20$ grams; or $20 \times 3 = 60$ grams

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Part 4 Addition and Subtraction Practice

This is a review of things you learned earlier. Write your answers on a separate sheet of paper.

Building	City	Height (in feet)
John Hancock Tower	Chicago	1127
Willis Tower	Chicago	1454
Space Needle	Seattle	605
Empire State Building	New York	1250

Use the data in the table to help you solve the problems below. Show or tell how you solved each problem.

1. Write down the heights of the buildings in order from smallest to largest.
2. How many feet taller is the Willis Tower than the John Hancock Tower?
3. **A.** A three-story school building is about 50 feet tall. About how many times taller is the Space Needle?
   B. About how many times taller is the Willis Tower?
4. About how many times taller is the Empire State Building than the Space Needle?
5. The CN Tower in Toronto, Canada, is 361 feet taller than the Willis Tower. How tall is the CN Tower?
6. **A.** The Petronas Tower in Kuala, Malaysia, is 332 feet shorter than the CN Tower. How tall is the Petronas Tower?
   B. Is the Petronas Tower taller or shorter than the Willis Tower? By how many feet?
7. Solve the following problems. Estimate to be sure your answers are reasonable. Explain your estimation strategies.
   A. $\begin{array}{r} 7234 \\ +\ 3849 \end{array}$ **B.** $\begin{array}{r} 632 \\ -\ 485 \end{array}$

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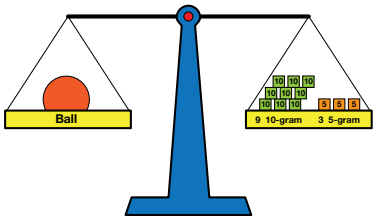
Part 5 What is the Mass?

Write a number sentence to show the mass of each object.

1. A ball balances nine 10-gram masses and three 5-gram masses.
   What is the mass of the ball?



2. A marker balances three 10-gram masses, nine 5-gram masses, and three 1-gram masses. What is the mass of the marker?

3. A box that has 3 crayons in it has a total mass of 60 grams. What is the mass of one crayon?

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