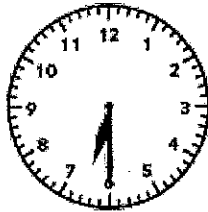
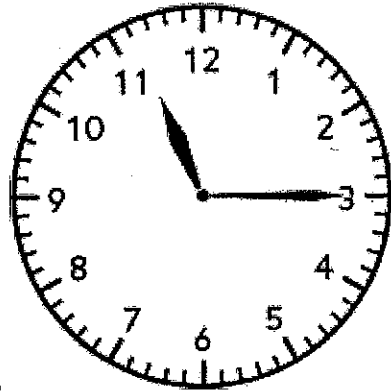


2015-2016 1<sup>st</sup> Trimester Math Assessment Answer Key  
Grade 3 DD # 141197

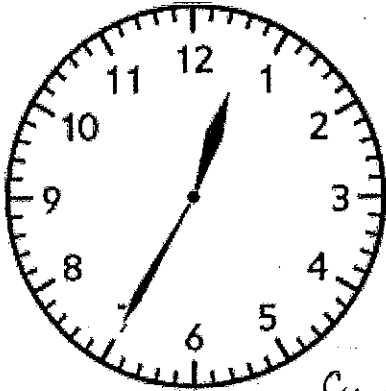


b. 6:30



11:15

Record the time shown on each clock. a.

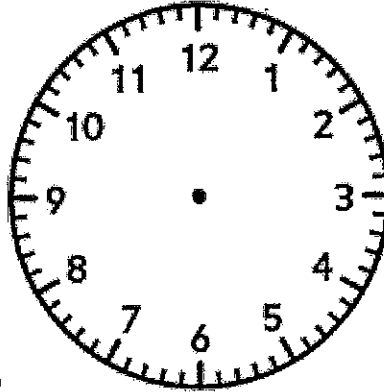
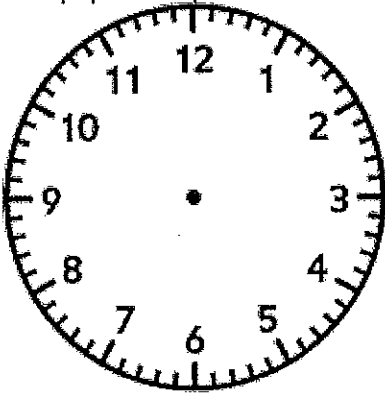


c. 12:35

2

Use paper and pencil to solve the problem. Draw the hands to show the times. a. 5:10

① ①



b. 5:50

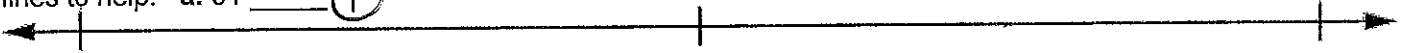
① ①

3

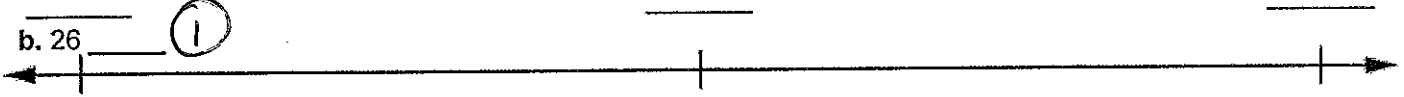
Use paper and pencil to solve the problem. Solve. a.  $2 \times 8 =$  ① b. ①  $= 7 \times 7$  c. ①  $= 2 \times 9$  d.  $7 \times 8 =$  ① e. ①  $= 10 \times 6$  f.  $6 \times 7 =$  ① g. Explain how you solved  $6 \times 7$ . ①

4

Use paper and pencil to solve the problem. Round each number to the nearest 10. You may use open number lines to help. a. 91 ①



b. 26 ①

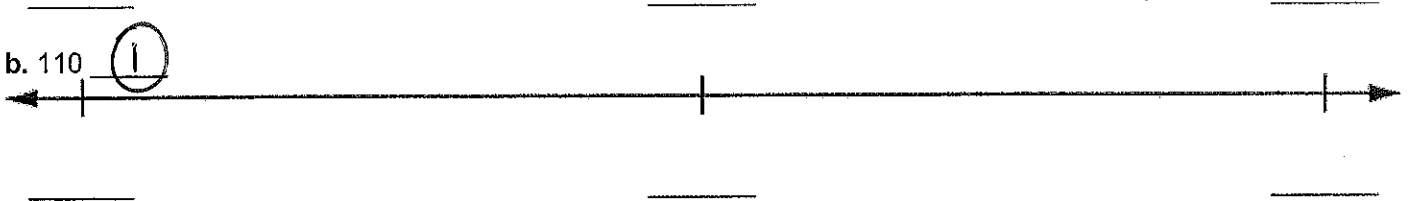


c. Explain how you rounded 26 to the nearest 10.

①

5

Use paper and pencil to solve the problem. Round each number to the nearest 100. You may use open number lines to help. a. 270



6

Use the information in the bar graph to answer the questions below. a. How many mystery and adventure books were checked out all together? b. How many more adventure books were checked out than science books? c. How many books were checked out in all? d. Explain how you solved for the number of books checked out in all?

7.

For each problem, use rounding to estimate and then solve. Use your estimate to check whether your answer makes sense. Show your work.

a. Estimate \_\_\_\_\_

b.

$$\begin{array}{r} 169 \\ + 28 \\ \hline \end{array}$$

c. Estimate \_\_\_\_\_

d.

$$\begin{array}{r} 82 \\ - 36 \\ \hline \end{array}$$

8.

a. Estimate: 1

b. 
$$\begin{array}{r} 386 \\ +145 \\ \hline \end{array}$$
 1

c. Does your answer make sense? Explain.

1  
\_\_\_\_\_  
\_\_\_\_\_

9.

a. Estimate: 1

b. 
$$\begin{array}{r} 293 \\ -85 \\ \hline \end{array}$$
 1

10.

Use the turn-around rule to solve and draw arrays for each fact.

a.  $5 \times 7 =$  1       $7 \times 5 =$  1

1

1

b.  $\frac{\text{1}}{\text{1}} = 10 \times 3$

$\frac{\text{1}}{\text{1}} = 3 \times 10$

1

1

c. How does drawing arrays for these fact pairs help you understand the turn-around rule?

1  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

11.

Write a number sentence to match each array.

a. 

Number sentence: \_\_\_\_\_ <sup>(1)</sup>

b. 

Number sentence: \_\_\_\_\_ <sup>(1)</sup>

c. Which array, a or b, in Problem 9 shows a multiplication square?  
Explain. <sup>(1)</sup>

---

---

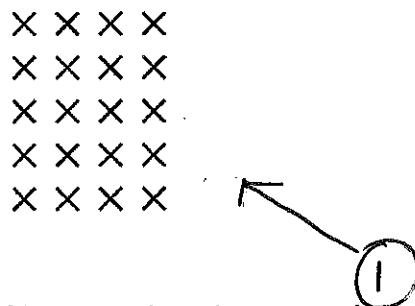
---

12.

Li does not know the answer to  $6 \times 4$ .

She does know that  $5 \times 4 = 20$ , so she uses it as a helper fact.

Li starts by drawing this array for  $5 \times 4 = 20$ :

a. 

b. Show on the picture and explain how Li can use this array to help her figure out  $6 \times 4$ . <sup>(1)</sup>

---

---

---

13

Use pencil and paper to answer the question.  
Write a number model for your ballpark estimate.

Unit
miles

Use your favorite method to solve. Show your work.

\_\_\_\_\_ b.  $517 + 268$  (1)

c. Ballpark estimate: (1) \_\_\_\_\_

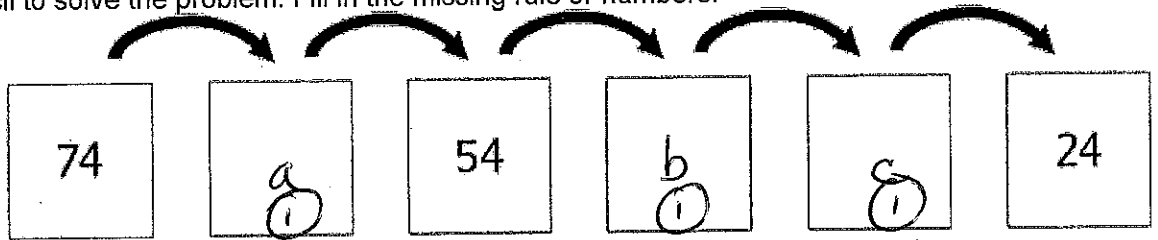
d.  $737 - 528$  (copy) (1)

a. Ballpark estimate: (1)

14.

Use paper and pencil to solve the problem. Fill in the missing rule or numbers.

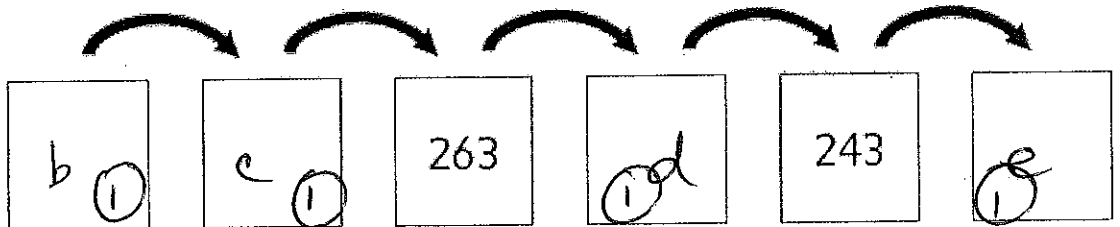
Rule
- 10



15.

Use paper and pencil to solve the problem. Find the pattern. Fill in the missing numbers and the rule.

Rule
a (1)



Use pencil and paper to answer the question.

16.

Unit
books

Add or subtract. Show your work.

b.  $467 + 325$  (copy)

a.  $885 - 566$

319 792

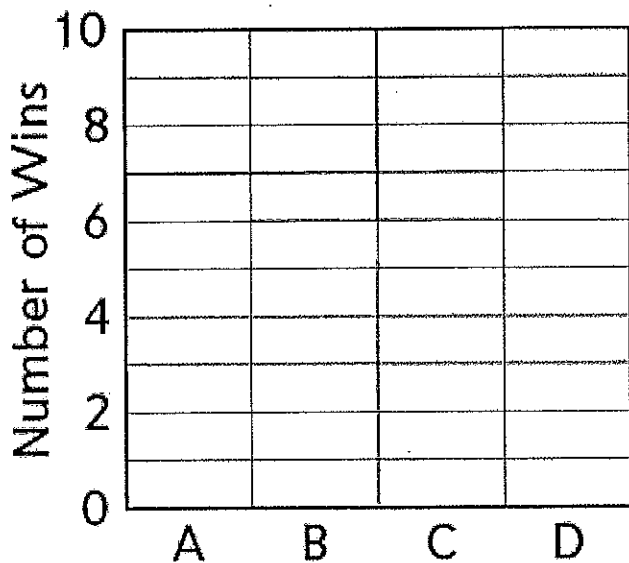
17.

Use paper and pencil to solve the problem. a. Use the tally chart to complete the bar graph.

Total Wins

Teams	Number of Wins
Team A	
Team B	
Team C	
Team D	

Total Wins



Teams

below. b. How many wins did the four teams have in all? 1 c. How many fewer wins did Team C have than Team D? 1

Mrs. Malone has \$10.00 to buy as many packs of batteries as she can.

18. One pack of batteries costs \$3.59.
- a. How many packs can she buy? 1
  - b. About how much money will she spend? 1
  - c. About how much change will she get back? 1 (copy)

2 packs	about \$7.00	about \$3.00
or 2	or about \$7	or about \$3
	or \$7.00	or \$3.00
	or \$7	or \$3

- 19.a. Write T if the number sentence is true, F if the number sentence is false, or ? if you can't tell.  $1 * 3 = 6 / 3$  \_\_\_  
(copy) 1

F  
or false

- 19.b. Write T if the number sentence is true, F if the number sentence is false, or ? if you can't tell.  $(9 * 4) \div 2 < 3 * 9$   
\_\_\_ (copy)

T  
or true

- 20.a. Make a true sentence by filling in the missing number.  $(42 \div 6) * (24 \div 4) =$  \_\_\_ (copy)

42

- 20.b. Make a true sentence by filling in the missing number.  $(13 - 7) + 63 / 7 =$  \_\_\_ (copy)

15



21. Solve. Draw a picture to show what you did.  
Three people share 9 pieces of candy.  
a. How many pieces does each person get? 3 pieces  
b. What fraction of the candy did each person get?  $\frac{1}{3}$  (copy)

22. Solve each open sentence. a.  $r + 529 = 898$   $r = \underline{369}$  b.  $92 - c = 69$   $c = \underline{23}$  c.  $m \cdot 6 = 42$   $m = \underline{7}$  d.  $45 \div n = 9$   $n = \underline{5}$  (copy)