

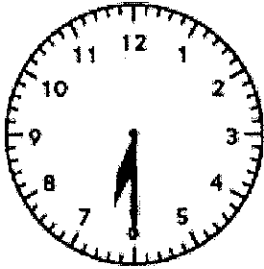
2015-2016 1st Trimester Math Assessment
Grade 3

Student Name:

Date:

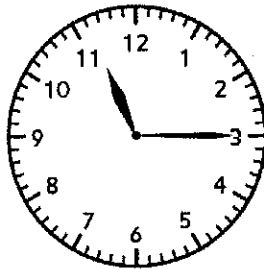
1. Record the time shown on each clock.

a.



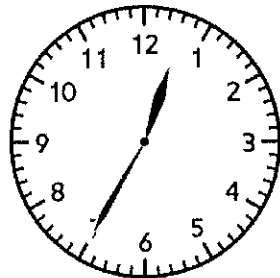
__ : __

b.



__ : __

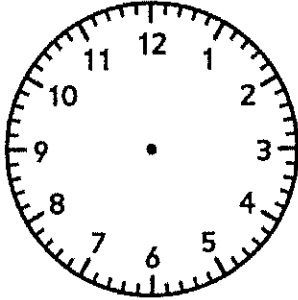
c.



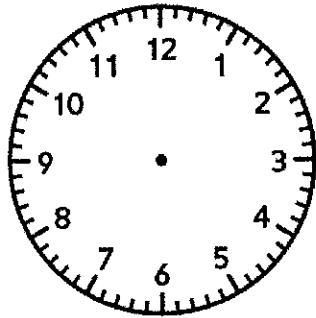
__ : __

2. Draw the hands to show the times.

a. 5:10



b. 5:50



3. Solve.

a. $2 \times 8 = \underline{\quad}$

b. $\underline{\quad} = 7 \times 7$

c. $\underline{\quad} = 2 \times 9$

d. $7 \times 8 = \underline{\quad}$

e. $\underline{\quad} = 10 \times 6$

f. $6 \times 7 = \underline{\quad}$

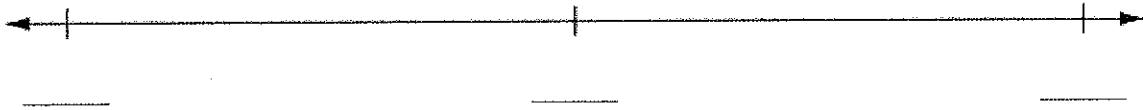
g. Explain how you solved 6×7 .

4. Round each number to the nearest 10.

You may use open number lines to help.

a. 91 _____

b. 26 _____

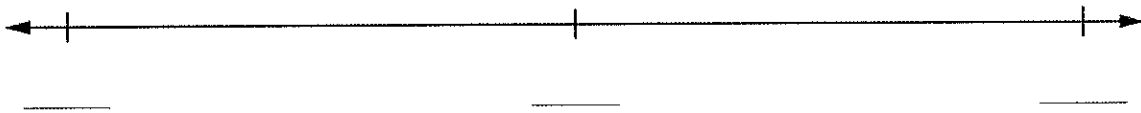


c. Explain how you rounded 26 to the nearest 10.

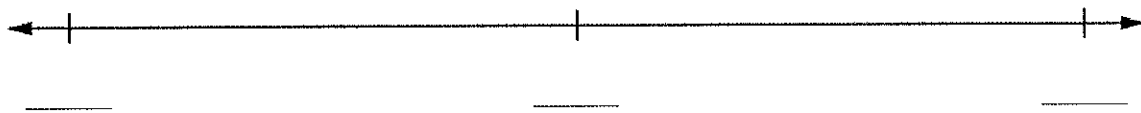
5. Round each number to the nearest 100.

You may use open number lines to help.

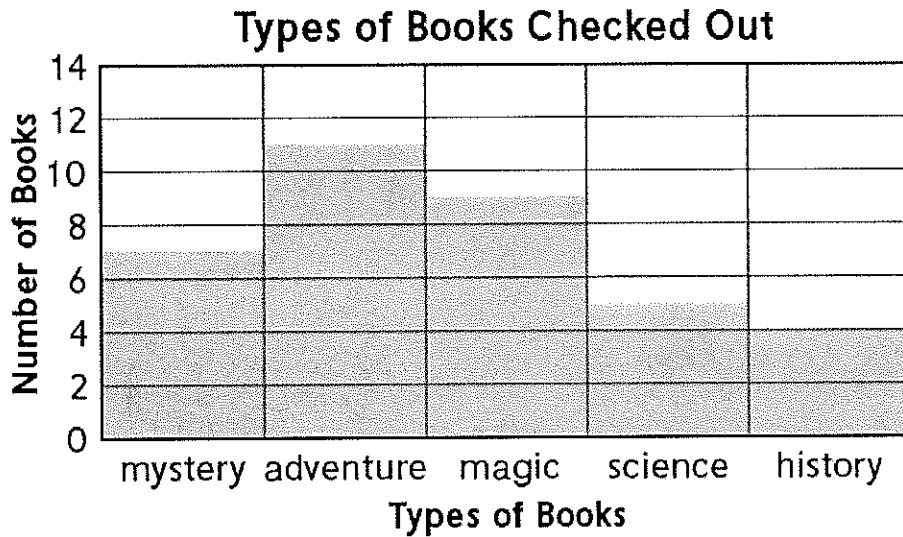
a. 270 _____



b. 110 _____



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: _____

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

c. Does your answer make sense? Explain.

9.

a. Estimate: _____

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

10.

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

a. $5 \times 7 = \underline{\hspace{2cm}}$ $7 \times 5 = \underline{\hspace{2cm}}$

b. $\underline{\hspace{2cm}} = 10 \times 3$ $\underline{\hspace{2cm}} = 3 \times 10$

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

11.

Write a number sentence to match each array.

a. ● ● ●
● ● ●

Number sentence: _____

b. ● ●
● ●

Number sentence: _____

c. Which array, a or b, in Problem 9 shows a multiplication square?
Explain.

12.

Li does not know the answer to 6×4 .

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

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

× × × ×
× × × ×
× × × ×
× × × ×
× × × ×

Show on the picture and explain how Li can use this array to help her figure out 6×4 .

13. Write a number model for your ballpark estimate.
Use your favorite method to solve. Show your work.

Unit
miles

a. Ballpark estimate: _____

b. 517

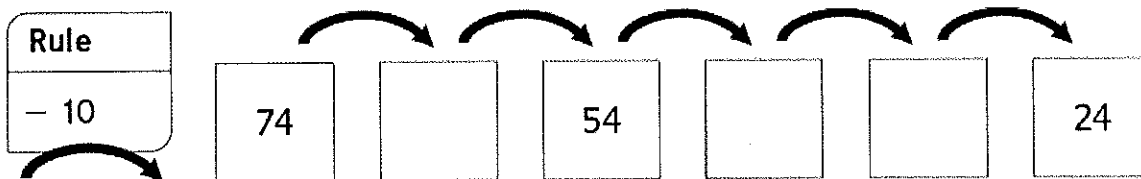
$$+ 268$$

c. Ballpark estimate: _____

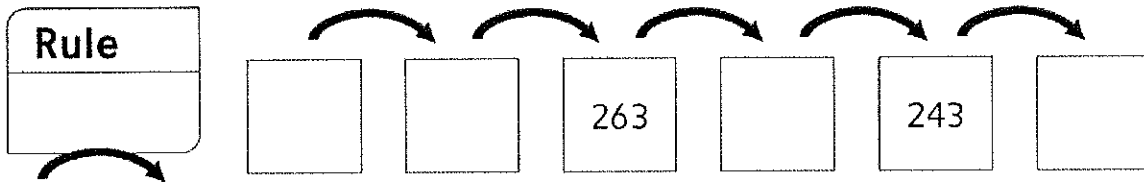
d. 737

$$- 528$$

14. Fill in the missing rule or number.



15. Find the pattern. Fill in the missing numbers and the rule.



16. Add or subtract. Show your work.

Unit
books





a. 885

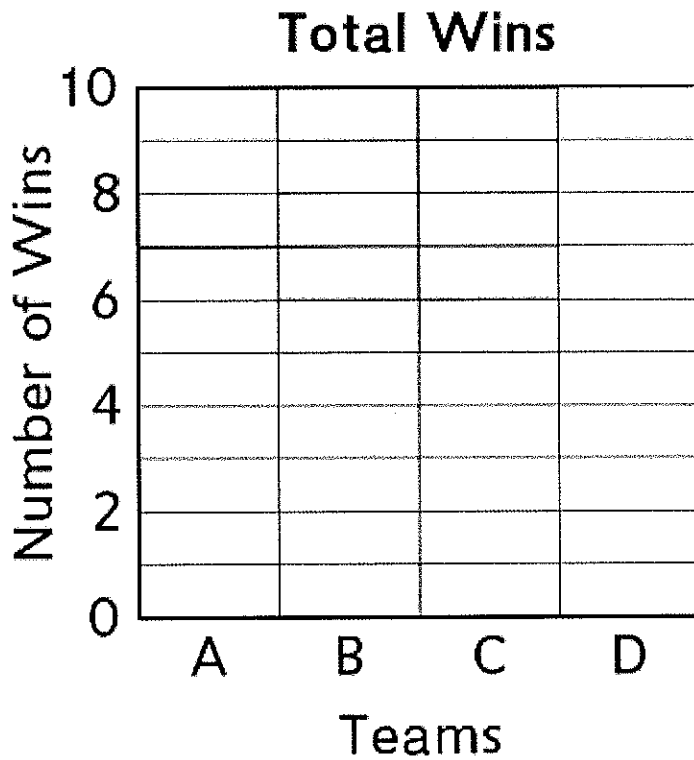
- 566

b. 467

+ 325

17. a. Use the tally chart to complete the bar graph.

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



Use the data in the bar graph to answer the questions below.

b. How many wins did the four teams have in all? _____

c. How many fewer wins did Team C have than Team D? _____

18. Mrs. Malone has \$10.00 to buy as many packs of batteries as she can. One pack of batteries costs \$3.59.

a. How many packs can she buy? __

b. About how much money will she spend? __

c. About how much change will she get back? __

19. Write T if the number sentence is true, F if the number sentence is false, or ? if you can't tell.

a. $1 * 3 = 6 / 3$ ___

b. $(9 * 4) \div 2 < 3 * 9$ ___

20. Make a true sentence by filling in the missing number.

a. $(42 \div 6) * (24 \div 4) =$ ___

b. $(13 - 7) + 63 / 7 =$ ___

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? _____ pieces

b. What fraction of the candy did each person get? _____

22. Solve each open sentence.

a. $r + 529 = 898$

$r = \underline{\quad}$

b. $92 - c = 69$

$c = \underline{\quad}$

c. $m * 6 = 42$

$m = \underline{\quad}$

d. $45 / n = 9$

$n = \underline{\quad}$