

CARMEN'S PARTY

This problem gives you the chance to:

- find the total cost of food and drink for a party.

Read this problem carefully.

10 people are at Carmen's party.
She spends \$3 on food for each person.
She spends \$2 on drinks for each person.
How much does she spend altogether?

What is the answer? \$ _____

Explain how you figured it out.

COMPUTER GAME

This problem gives you the chance to:

- Interpret a table of data

Every evening Sharday played a computer game.

She recorded her score and made a table like this.

<i>Day</i>	<i>Score</i>
Monday	340
Tuesday	450
Wednesday	760
Thursday	970
Friday	980

On which day did she have her lowest score? _____

On which day did she have her highest score? _____

Between which two days did her score increase most?

Between _____ and _____

Describe how Sharday's skill at the game changed during the week.

NUMBER STEPS

This problem gives you the chance to:

- recognize and continue number patterns

1. Look at this series of numbers.

Fill in the next four numbers in the series.

3, 7, 11, 15, 19, 23, 27, _____, _____, _____, _____

Hint: The numbers go up by the same amount each time.

2. What patterns can you see?

3. Write down the last digit of each number in the series.

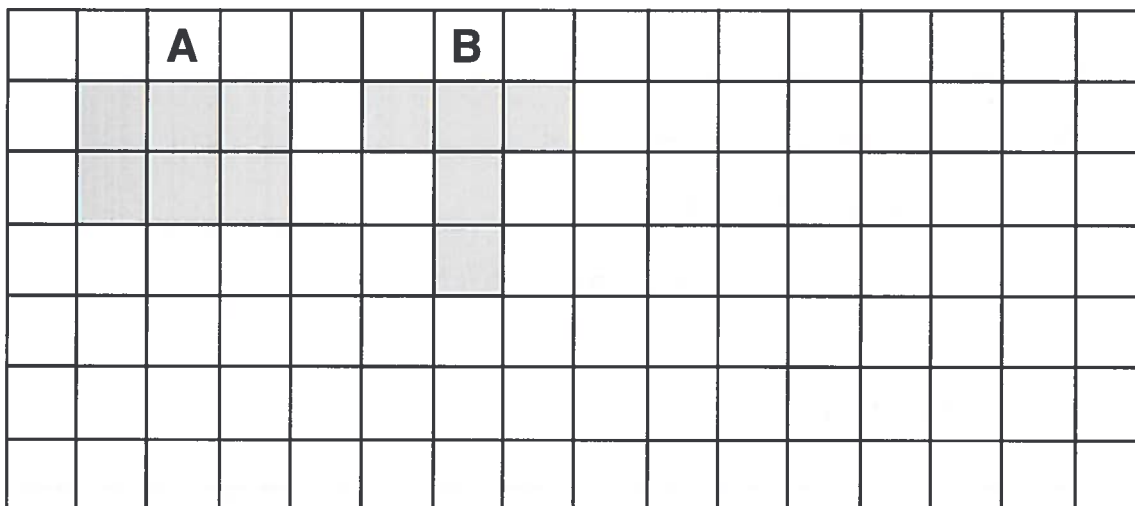
4. What patterns can you see?

SHADED SHAPES

This problem gives you the chance to:

- compare areas and perimeters of shapes on a grid

Jose and Tesha draw two shaded shapes on the grid below.



1 square = 1 centimeter

Jose says, "Shape A has a larger area than shape B."

1. Explain how he could have figured this out.

2. On the grid, draw a different shape which has the same area as shape A.

Tesha says, "Shape B has a larger perimeter than shape A."

3. Explain how she could have figured this out.

4. On the grid, draw a different shape which has the same perimeter as shape B.

TRANG'S NUMBER

This problem gives you the chance to:

- use some clues to figure out a secret number
- explain how you used the clues to help you solve the puzzle

Trang is thinking of a number between 1 and 100



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

On the next page are some clues that will help you to find Trang's number. These clues are not in the best order to help you yet.

Cut out the clues and arrange them in the order that you decide to use them.

You may find it helpful to use the hundreds chart at the top of this page.

1. Write down Trang's number. _____

2. Explain how you figured it out. _____

Clues:

<p>Clue A</p> <p>If he counts by threes he will say the number. 3 6 9 12</p>	<p>Clue B</p> <p>His number is the largest number that fits all the other clues</p>
<p>Clue C</p> <p>His number is an even number.</p>	<p>Clue D</p> <p>His number is smaller than forty.</p>
<p>Clue E</p> <p>His number is larger than ten.</p>	