Plattsburg Public School
Learning from Home

Year 3

Group 2
NUMERACY

Monday
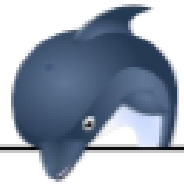
2-Digit Addition

(No Regrouping)

1)
$$\begin{array}{r} 1\ 2 \\ +\ \ 2\ 3 \\ \hline \\ \hline \end{array}$$

2)
$$\begin{array}{r} 4\ 4 \\ +\ \ 1\ 2 \\ \hline \\ \hline \end{array}$$

3)
$$\begin{array}{r} 2\ 7 \\ +\ \ 2\ 1 \\ \hline \\ \hline \end{array}$$

4)
$$\begin{array}{r} 1\ 5 \\ +\ \ 1\ 3 \\ \hline \\ \hline \end{array}$$

5)
$$\begin{array}{r} 3\ 3 \\ +\ \ 2\ 0 \\ \hline \\ \hline \end{array}$$

6)
$$\begin{array}{r} 1\ 7 \\ +\ \ 4\ 2 \\ \hline \\ \hline \end{array}$$

7)
$$\begin{array}{r} 6\ 0 \\ +\ \ 3\ 4 \\ \hline \\ \hline \end{array}$$

8)
$$\begin{array}{r} 3\ 2 \\ +\ \ 1\ 4 \\ \hline \\ \hline \end{array}$$

9)
$$\begin{array}{r} 2\ 4 \\ +\ \ 2\ 4 \\ \hline \\ \hline \end{array}$$

10)
$$\begin{array}{r} 6\ 5 \\ +\ \ 3\ 1 \\ \hline \\ \hline \end{array}$$

11)
$$\begin{array}{r} 1\ 2 \\ +\ \ 5\ 6 \\ \hline \\ \hline \end{array}$$

12)
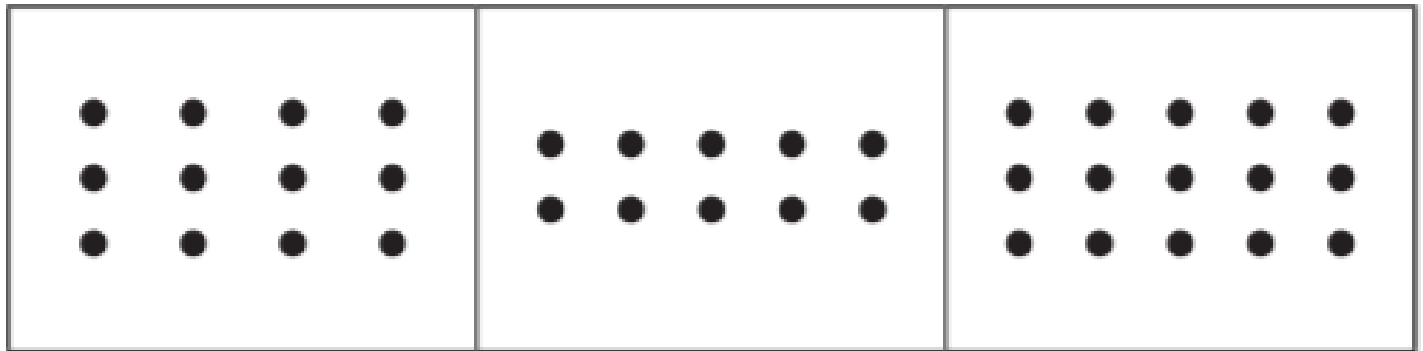$$\begin{array}{r} 5\ 5 \\ +\ \ 3\ 4 \\ \hline \\ \hline \end{array}$$

13)
$$\begin{array}{r} 2\ 1 \\ +\ \ 2\ 3 \\ \hline \\ \hline \end{array}$$

14)
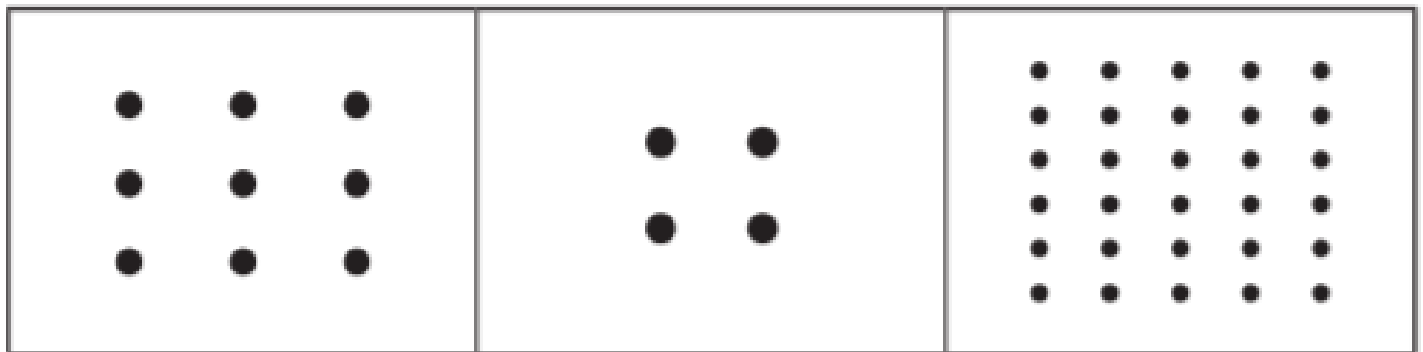$$\begin{array}{r} 4\ 3 \\ +\ \ \ \ 3 \\ \hline \\ \hline \end{array}$$

15)
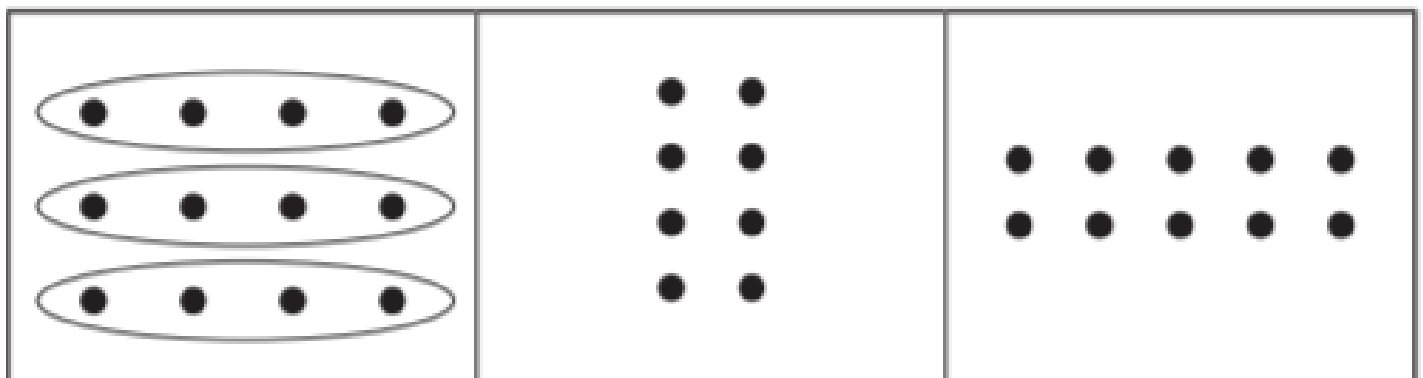$$\begin{array}{r} 4\ 2 \\ +\ \ 2\ 6 \\ \hline \\ \hline \end{array}$$

Arrays

Write a multiplication sentence for each array.

3 x 4 = 12 or 4 x 3 = 12		

Write a division sentence for each array.

12 ÷ 3 = 4 or 12 ÷ 4 = 3		

Partitioned Numbers (4-digit)

1) Add the parts together. What 4-digit numbers do they make?

a. $3\,000 + 400 + 30 + 9 =$ _____

b. $1\,000 + 500 + 20 + 1 =$ _____

c. $8\,000 + 600 + 60 + 2 =$ _____

d. $2\,000 + 500 + 20 + 6 =$ _____

e. $2\,000 + 10 + 5 =$ _____

f. $7\,000 + 300 + 9 =$ _____

g. $4\,000 + 80 =$ _____

h. $2\,000 + 70 + 2 =$ _____

i. $5\,000 + 400 + 30 =$ _____

j. $5\,000 + 9 =$ _____

2) The parts are out of order. Be careful!

a. $500 + 2\,000 + 9 + 30 =$ _____

b. $4\,000 + 6 + 900 + 20 =$ _____

c. $20 + 100 + 2 + 1\,000 =$ _____

d. $300 + 1 + 4\,000 =$ _____

e. $3 + 700 + 4\,000 =$ _____

f. $6 + 9\,000 =$ _____

g. $600 + 7\,000 + 20 + 2 =$ _____

h. $400 + 3 + 30 + 2\,000 =$ _____

i. $20 + 5\,000 + 4 =$ _____

j. $90 + 2\,000 =$ _____

3) One or more parts are missing in each of the following sums. Add them in!

a. $5\,000 + 80 + 5 +$ _____ $=$ $5\,785$

b. $800 +$ _____ $+ 2 =$ $5\,802$

c. _____ $+ 40 + 9\,000 =$ $9\,440$

d. $6\,000 +$ _____ $+ 200 =$ $6\,206$

e. $8 + 40 +$ _____ $=$ $3\,048$

f. _____ $+ 300 +$ _____ $=$ $7\,306$

g. _____ $+ 30 +$ _____ $=$ $1\,830$

h. _____ $+$ _____ $=$ $1\,004$

Estimate Angle Size

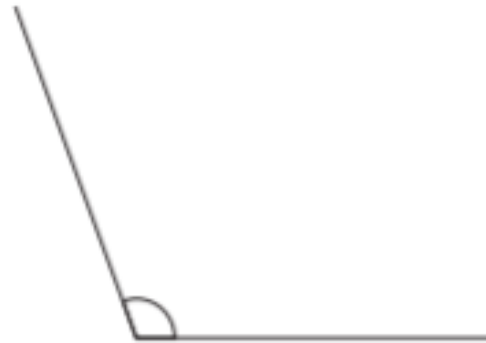I can estimate the size of angles using degrees. (ACMMG112)

Look at each angle and choose whether it is acute, obtuse or a right angle.

a.

☐ Acute angle

☐ Right angle

☐ Obtuse angle

b.

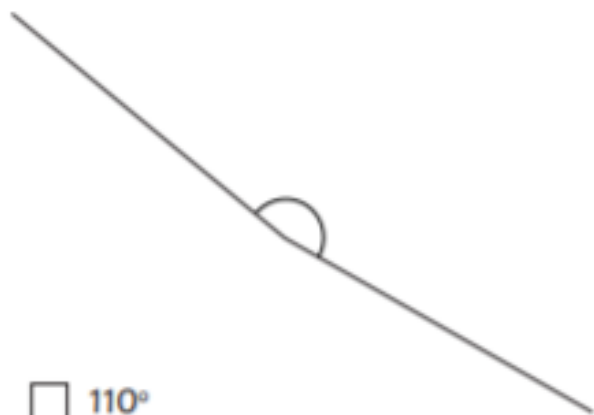☐ Acute angle

☐ Right angle

☐ Obtuse angle

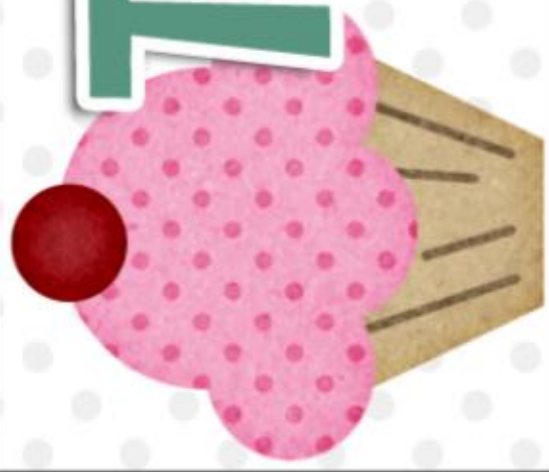Look at each angle and tick the closest size estimate.

c.

☐ 50°

☐ 25°

☐ 10°

d.

☐ 110°

☐ 150°

☐ 180°

Tuesday

3-Digit Subtraction
(No Borrowing)

1)
```
    2 5 3
  - 1 4 1
  _____

  _____
```

2)
```
    4 8 4
  - 1 3 0
  _____

  _____
```

3)
```
    3 5 9
  - 3 1 3
  _____

  _____
```

4)
```
    6 5 7
  - 2 2 6
  _____

  _____
```

5)
```
    3 6 6
  - 2 2 6
  _____

  _____
```

6)
```
    7 8 5
  - 2 2 4
  _____

  _____
```

7)
```
    2 6 6
  -   2 4
  _____

  _____
```

8)
```
    8 9 3
  - 3 6 2
  _____

  _____
```

9)
```
    4 7 8
  - 3 3 4
  _____

  _____
```

10)
```
    6 3 6
  - 3 0 3
  _____

  _____
```

11)
```
    9 6 0
  - 4 4 0
  _____

  _____
```

12)
```
    7 9 8
  - 5 2 4
  _____

  _____
```

13)
```
    5 6 9
  - 3 5 5
  _____

  _____
```

14)
```
    8 6 8
  - 1 3 2
  _____

  _____
```

15)
```
    7 9 5
  - 3 3 3
  _____

  _____
```

Division Arrays

Directions: Circle the groups to find the answer to each division problem.

1. 54 ÷ 6 = ____
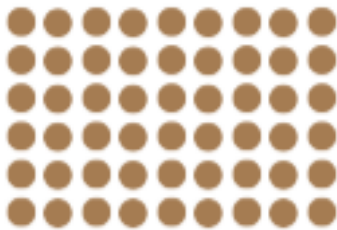
2. 36 ÷ 9 = ____
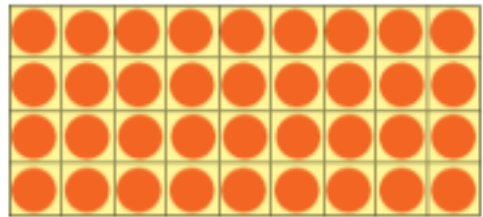
3. 18 ÷ 3 = ____

4. 35 ÷ 7 = ____

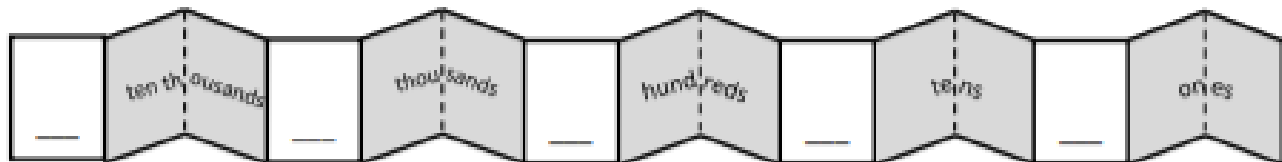**5.** Draw an array and circle the groups to find the answer to the division number sentence.

24 ÷ 4 = ____

Non-Standard Partitioning (5-digit)
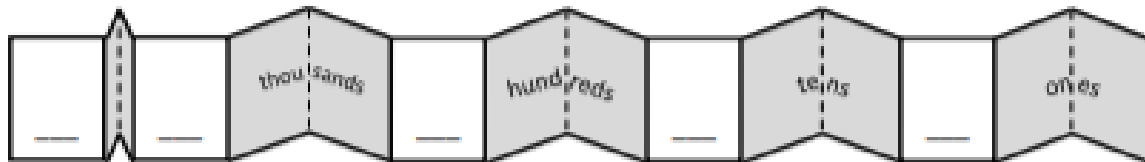Partition the following number into different forms.
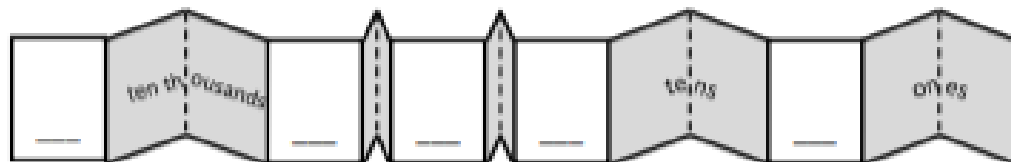
31 462

Partition your number in standard form:

ten thousands	thousands	hundreds	tens	ones
____	____	____	____	____

_____ + _____ + _____ + _____ + _____ = _____

Show how else your number can be partitioned:

	thousands	hundreds	tens	ones
____ ____	____	____	____

_____ + _____ + _____ + _____ = _____

- -

ten thousands			tens	ones
____	____ ____	____	____

_____ + _____ + _____ = _____

- -

	thousands		tens	ones
____ ____	____ ____	____

_____ + _____ + _____ = _____

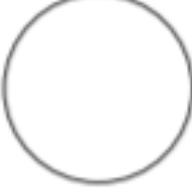|			tens	ones
____ ____ ____	____	____

_____ + _____ = _____
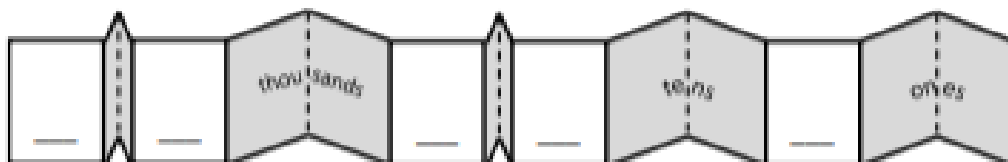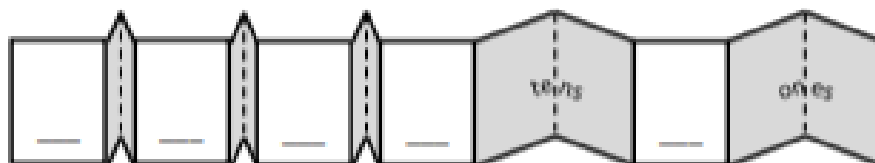
2D Shapes around the Home

Can you be a detective and find the following 2D shapes around your home? When you find the shape, draw the item in the space provided.

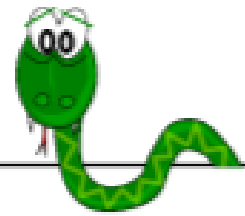The first one has been done for you.

Shape		Item Found at Home
Square		
Triangle		
Circle		
Rectangle		
Pentagon		

Wednesday

2-Digit Addition

(Regrouping)

1)   2 6
   +   1 5
   _____

   _____

2)   1 3
   +   2 7
   _____

   _____

3)   4 6
   +   3 6
   _____

   _____

4)   5 4
   +   2 7
   _____

   _____

5)   4 8
   +   3 4
   _____

   _____

6)   2 5
   +   2 7
   _____

   _____

7)   6 7
   +   8
   _____

   _____

8)   3 2
   +   2 9
   _____

   _____

9)   7 5
   +   4 2
   _____

   _____

10)   5 5
   +   8 3
   _____

   _____

11)   2 6
   +   5 7
   _____

   _____

12)   6 9
   +   5 4
   _____

   _____

13)   4 8
   +   5 2
   _____

   _____

14)   6 5
   +   6 8
   _____

   _____

15)   8 3
   +   5 7
   _____

   _____

Arrays

Write two multiplication sentences for each array.

3 x 4 = 12

4 x 3 = 12

Minute 20

1.
$$91$$
$$-\quad 6$$
_____
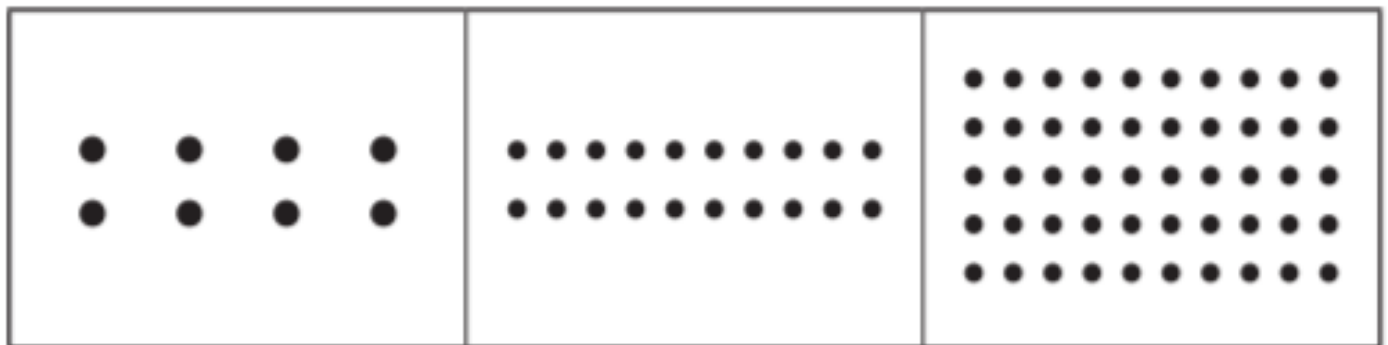
2. $6\overline{)48}$

3. Complete the pattern.   5, 10, ..., 20, 25, 30

4. $7\overline{)35}$

5.
$$887$$
$$+\quad 7$$
_____

6. $3\overline{)15}$

7.
$$54$$
$$\times\quad 6$$
_____

For Questions 8 to 10, round the number to the nearest hundred.

8. 621   ....

9. 548   ....

10. 584   ....

Converting Decimal Tenths and Hundredths to Fractions

Converting decimals tenths and hundredths to fractions couldn't be easier - all you need is a place value chart! To convert from a decimal into a fraction, we write the number on the place value chart then **read the number off the place value chart**.

0.7=	Ones		tenths
	0	.	7

No ones and 7 tenths. So the fraction is... $\frac{7}{10}$!

A. Write these decimals into the place value chart. Read the place value and write the decimal as a fraction. The first question has been completed for you.

Decimal	Place Value Chart			How many tenths?
0.7	Ones		tenths	7 tenths = $\frac{7}{10}$
	0	.	7	
0.3	Ones		tenths	
		.		
zero point two	Ones		tenths	
		.		
0.4	Ones		tenths	
		.		
0.1	Ones		tenths	
		.		
0.9	Ones		tenths	
		.		
zero point eight	Ones		tenths	
		.		

Working with hundredths is similar except we need to include the tenths too. There are 10 hundredths in a tenth.

O		t	hundredths
0	.	7	3

We have 73 hundredths - therefore $\frac{73}{100}$

Thursday

3-Digit Subtraction

(Borrowing)

1)   3 4 3
   - 1 2 4
   _____

2)   2 7 4
   - 1 3 6
   _____

3)   3 5 7
   - 1 0 5
   _____

4)   6 1 7
   -     3 6
   _____

5)   7 3 8
   - 4 4 2
   _____

6)   5 4 0
   - 2 2 3
   _____

7)   4 2 6
   - 3 6 4
   _____

8)   5 3 2
   - 3 3 5
   _____

9)   6 1 6
   - 3 0 7
   _____

10)   6 8 9
    - 3 9 5
   _____

11)   3 4 0
    - 2 6 0
   _____

12)   7 0 6
    - 1 2 8
   _____

13)   5 3 5
    -     7 7
   _____

14)   2 0 2
    - 1 3 4
   _____

15)   7 0 4
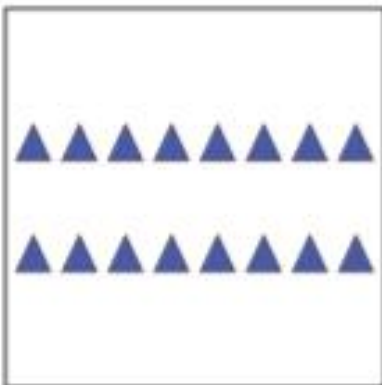   - 5 3 6
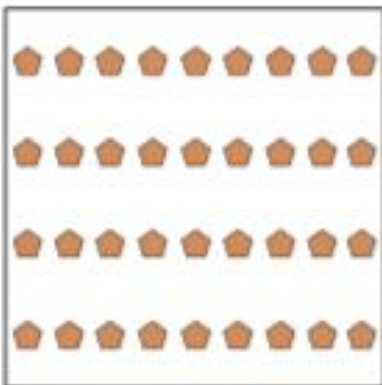   _____

Division - Arrays

How many rows are there in the array? _____

How many columns are there in the array? _____

How many shapes are there in the array? _____

Write the division sentence that represents the array.

_____

How many rows are there in the array? _____

How many columns are there in the array? _____

How many shapes are there in the array? _____

Write the division sentence that represents the array.

_____

How many rows are there in the array? _____

How many columns are there in the array? _____

How many shapes are there in the array? _____

Write the division sentence that represents the array.

_____

How many rows are there in the array? _____

How many columns are there in the array? _____

How many shapes are there in the array? _____

Write the division sentence that represents the array.

_____

Minute 21

1. Mara has 7 pencils and Joy has 12 pencils.

   How many pencils do they have altogether? .... pencils

2. Circle the best estimate for the angle.

   | 45° | 90° | 180° |

3. 268
   + 14
   _____
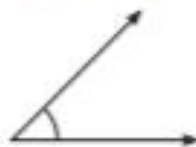
In Questions 4 to 6, which unit would you choose to measure each? Circle the answer.

4. distance around a soccer field | centimetres   metres   kilometres |

5. width of a book | centimetres   metres   kilometres |

6. distance between towns | centimetres   metres   kilometres |

7.   18
    x   5
   _____

8. $10.00 – $8.50 = $ ....

For Questions 9 and 10, write how much time has passed.

9. 5.00 am to 6.25 am = ... hour(s) and .... minutes

10. 8.15 pm to 9.30 pm = ... hour(s) and .... minutes

My score: ___ / 10
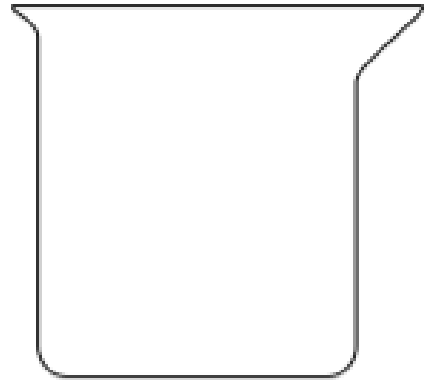
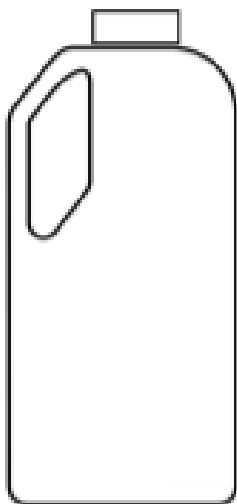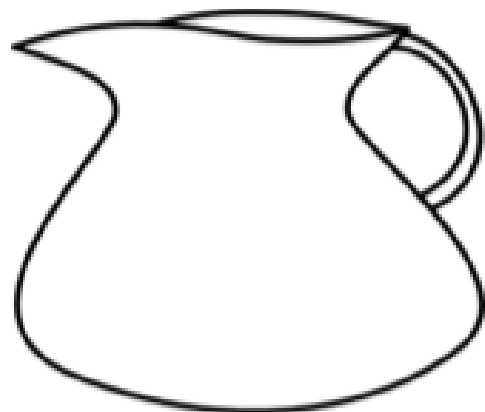**My time:** .... minutes .... seconds

Volume

1. Draw water in each container to match each label.

full

half full
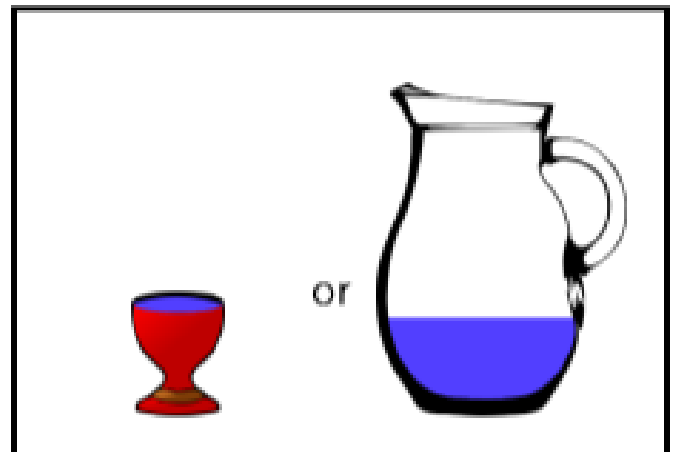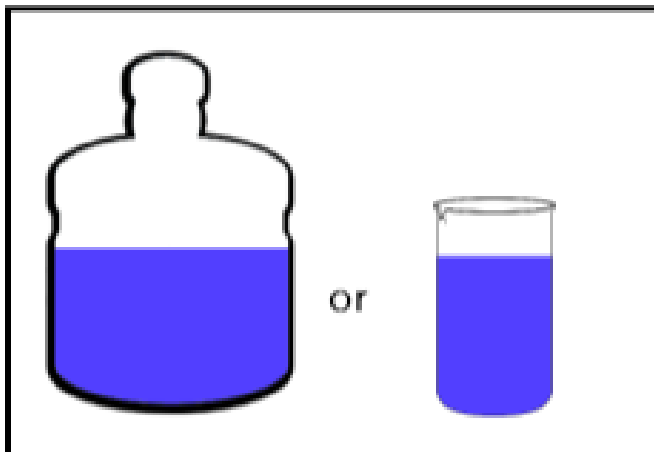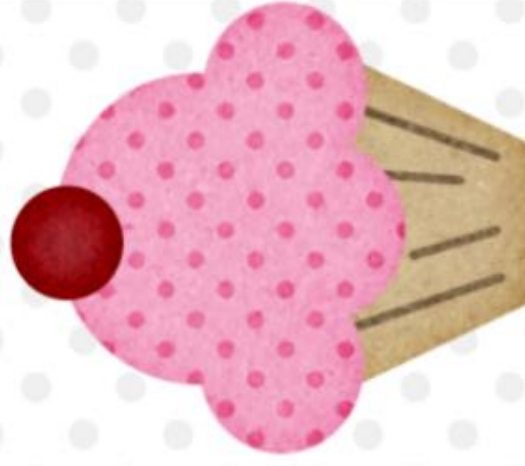
nearly empy

nearly full

2. Circle the container with the greater volume.

or

or

Friday

3-Digit Addition

(Regrouping)

1)
```
    1 4 3
  + 2 2 8
  _____

  _____
```

2)
```
    3 1 5
  + 2 4 5
  _____

  _____
```

3)
```
    3 0 4
  + 1 4 9
  _____

  _____
```

4)
```
      2 6
  + 2 6 6
  _____

  _____
```

5)
```
    2 6 2
  + 2 7 6
  _____

  _____
```

6)
```
    6 8 3
  +     4 1
  _____

  _____
```

7)
```
    3 1 6
  + 3 8 5
  _____

  _____
```

8)
```
    1 9 7
  + 3 6 7
  _____

  _____
```

9)
```
    4 7 2
  + 3 3 8
  _____

  _____
```

10)
```
    6 3 5
  + 7 0 3
  _____

  _____
```

11)
```
    4 1 7
  + 9 8 5
  _____

  _____
```

12)
```
    4 4 3
  + 5 7 3
  _____

  _____
```

13)
```
    3 6 9
  + 3 5 5
  _____

  _____
```

14)
```
    1 6 8
  + 8 3 9
  _____

  _____
```

15)
```
    7 8 9
  + 3 4 3
  _____

  _____
```

Write two division sentences for each array.

12 ÷ 3 = 4 12 ÷ 4 = 3		

Minute 22

1. 645
   − 28
   ....
   ....

2. 695
   + 26
   ....
   ....

3. 42 − 23 = ...

4. Circle the figure that is similar to the shaded figure.

   A   B   C   D
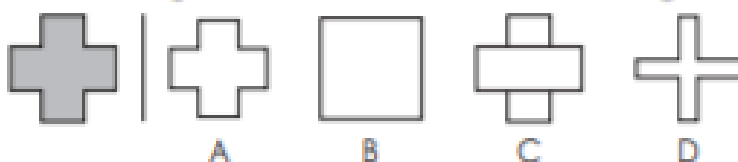
5. 8)50̄ r ....

6. Complete the pattern.   8, 16, 24, 32, 40, ...

7.   42
   x   8
   ....

   ....

For Questions 8 to 10, circle the name of the angle.

8. | acute   right angle   obtuse |

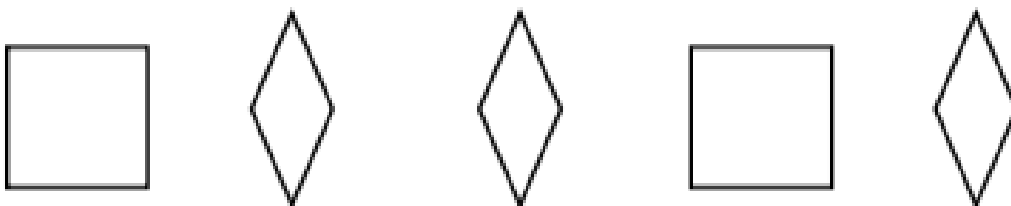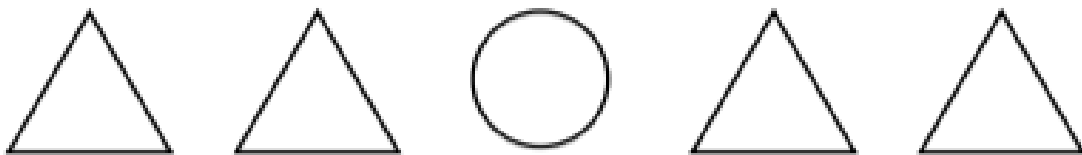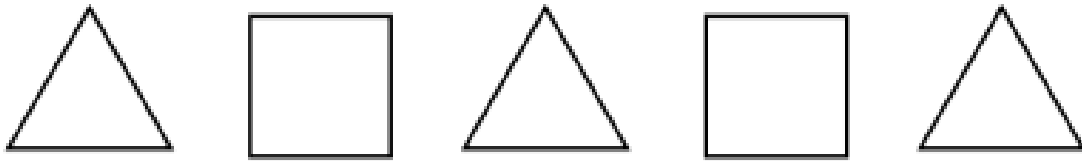9. | acute   right angle   obtuse |
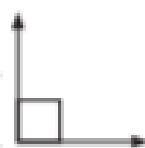
10. | acute   right angle   obtuse |

My score: $\frac{\quad}{10}$ My time: ....
                                  minutes   seconds

Shape Patterns [1]

Look closely at each pattern and draw the shape that should come next.

△ □ △ □ △	
♡ ◯ ♡ ◯ ♡	
△ △ ◯ △ △	
▭ ▭ ☆ ☆ ▭	
□ ◇ ◇ □ ◇	

Make your own pattern!

_____   _____   _____   _____   _____