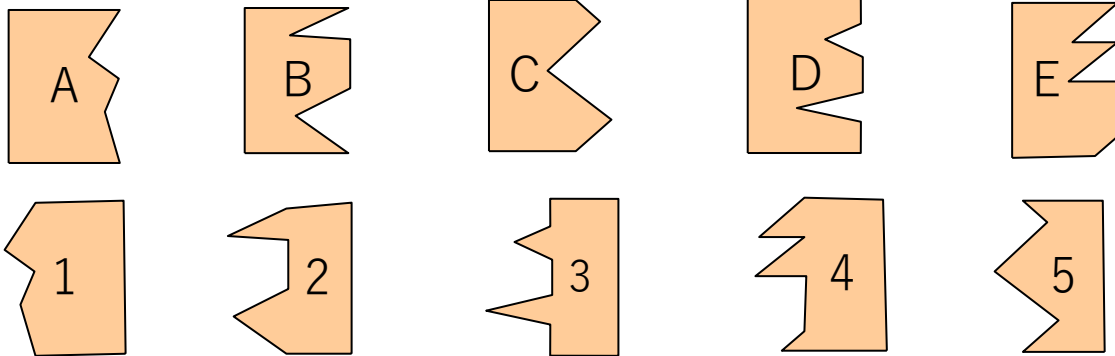


Practicing Math Kangaroo

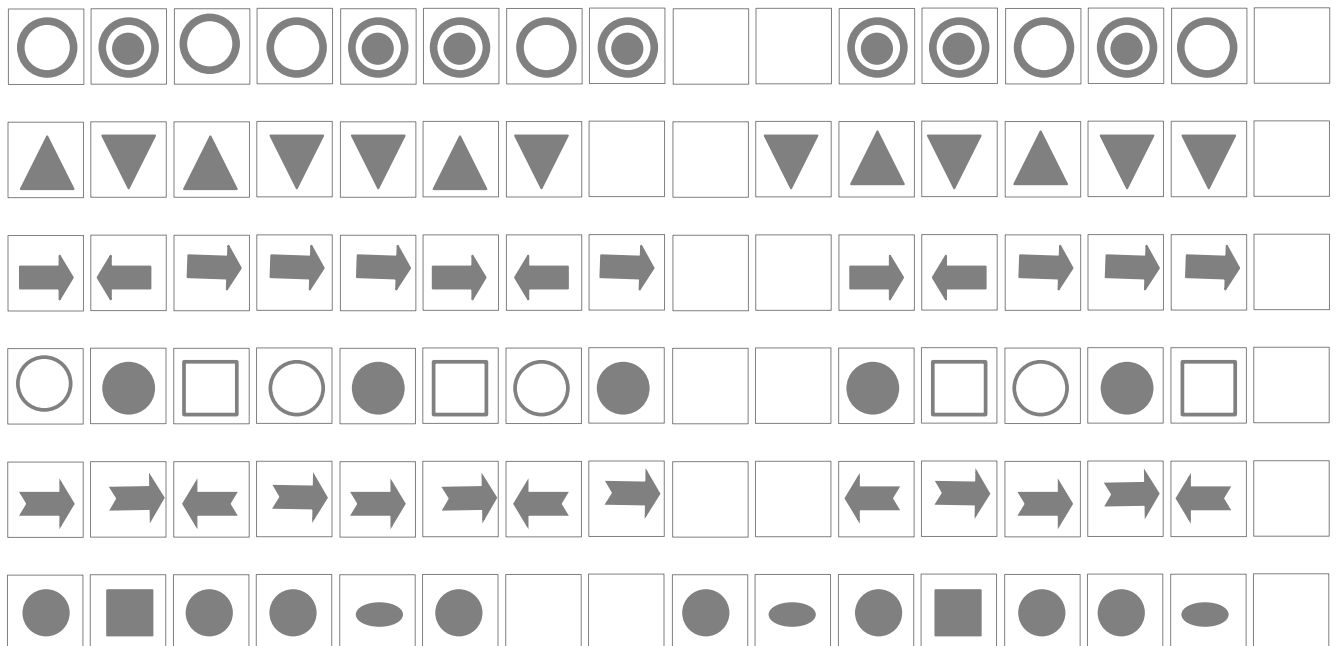
1

Match each shape from the top row with a shape from the bottom row that forms a rectangle when put together.



2

Identify each pattern and draw the missing symbols.



3

Find the 3-digit numbers, where the digit in its ten places is twice the digit in its hundreds place. The digit in its one place is 4 times the digit in its hundreds place. Write down all numbers that satisfy these conditions.



Time this page



4

$1\text{m} = 10\text{ dm} = 100\text{ cm}$

$1\text{ m}^2 = 100\text{ dm}^2 = 10,000$

$2\text{ cm}^2 + 5\text{ cm}^2 = \text{_____ cm}^2$

$3\text{ dm}^2 - 2\text{ dm}^2 = \text{_____ dm}^2$

$15\text{ cm}^2 - 7\text{ cm}^2 = \text{_____ cm}^2$

$11\text{ dm}^2 + 7\text{ dm}^2 = \text{_____ dm}^2$

$500\text{ cm}^2 + 1\text{ dm}^2 = \text{_____ cm}^2$

$500\text{ cm}^2 + 1\text{ dm}^2 = \text{_____ dm}^2$

5

Compare using >, <, or =.

$200\text{ cm}^2 \square 3\text{ dm}^2$

$500\text{ dm}^2 \square 5\text{ m}^2$

$30\text{ dm}^2 \square 1\text{ m}^2$

$300\text{ dm}^2 \square 300\text{ m}^2$

$70\text{ cm}^2 \square 7\text{ dm}^2$

$20\text{ m}^2 \square 200\text{ cm}^2$

$7\text{ m}^2 \square 700\text{ dm}^2$

$9\text{ m}^2 \square 900\text{ cm}^2$

$9\text{ dm}^2 \square 900\text{ cm}^2$

$600\text{ dm}^2 \square 8\text{ m}^2$

$6\text{ dm}^2 \square 80\text{ cm}^2$

$4\text{ m}^2 \square 400\text{ cm}^2$

6

One-digit-one-line Long Multiplication. Remember about Place Value!

a) $23 \times 11 =$

b) $234 \times 111 =$

c) $2345 \times 1111 =$

Large grid area for long multiplication calculations.

7.

Solve for x:

a) $160 \div x + 84 = 124$

b) $(x + 84) \div 16 = 18$

Large grid area for solving equations.

Report the time you spent: _____

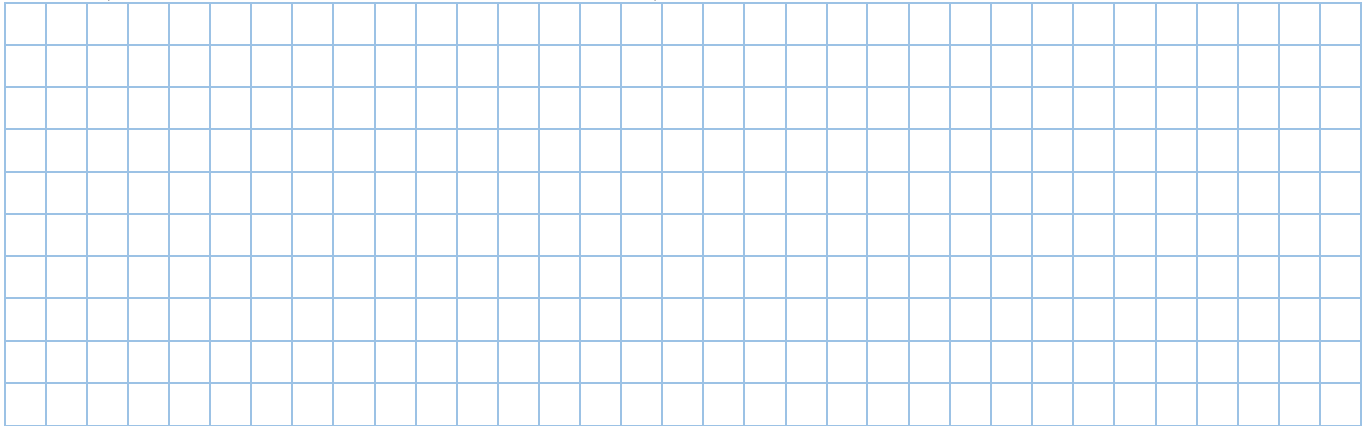


8

Long Division:

a) $1,112 \div 8 =$

b) $3,912 \div 8 =$



9.

The New Year’s party was in the big, nice room. The room had a shape of a rectangle with a length of 20 meters and a width of 10 meters. The room was decorated with multicolor lights, each light was 60 centimeters apart from the next one. How many lights were used to decorate the room?

10

16 children in the class like apples. 11 children in the class like bananas. 7 children in the class like both apples and bananas. 3 children in the class do not like any fruits. How many children are there in the class? Draw the Venn diagram to help yourself to solve the problem. Draw a Venn diagram if needed.



11

Postal workers must not lift more than 16 kg. There are 6 packages with a different weight: 3100g, 4900g, 3950g, 7200g, 3700g and 8900g.

Arrange these packages into 2 piles so that each pile can be lifted safely.

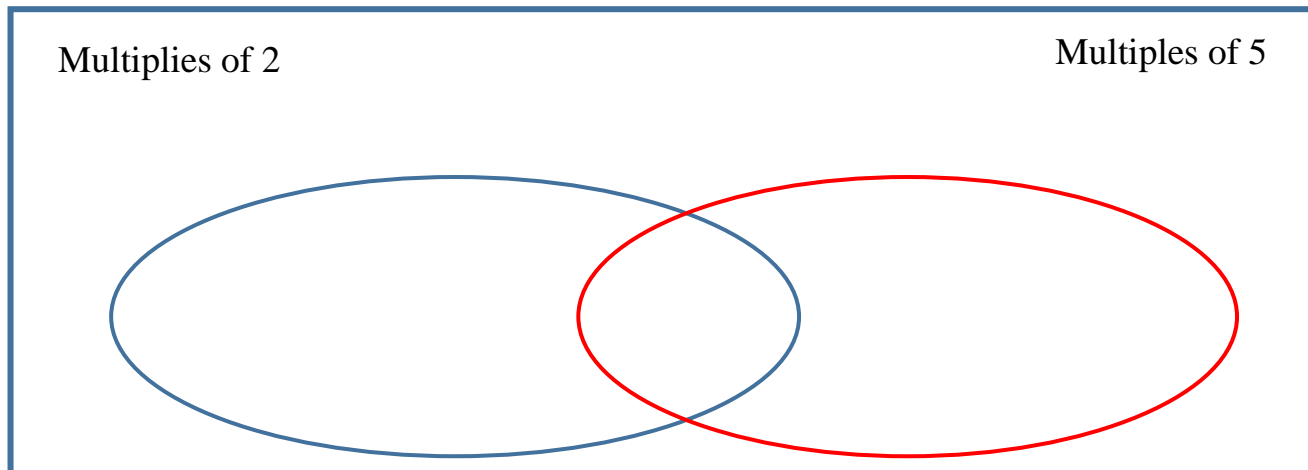
- 1) _____
- 2) _____

HW 21

Long Division. Equal sets. The symbols \in, \notin

12

Put the following numbers into Venn diagram: 785, 1040, 998, 48330, 7585, 48021, 31970, 72123, 60075, 59927, 4294, and 8599 .



13

In the picture below set P is a set of squares and set Q is a set of Large shapes. Draw a Venn Diagram for these sets.

	<p style="text-align: center;">Venn Diagram:</p>
--	--

Which shapes belong to set P, but not to set Q? _____

Which shapes belong to set Q, but not to set P? _____

Which shapes belong to both sets? _____

Fill in symbols belong or does not belong \in, \notin :

- | | | | |
|------------------------------|------------------------------|------------------------------|------------------------------|
| a <input type="checkbox"/> P | f <input type="checkbox"/> P | e <input type="checkbox"/> P | c <input type="checkbox"/> P |
| a <input type="checkbox"/> Q | c <input type="checkbox"/> Q | g <input type="checkbox"/> Q | d <input type="checkbox"/> Q |

14

- a) List all 2-digit numbers which can be divided by 8: _____
- b) List all numbers between 60 and 90 what can be divided:

By 3: _____

By 4: _____

By 6: _____

15

A road construction team is repairing a road. It has repaired 156 meters. The remaining part is 5 times the part repaired. What is the total length of the road? Draw a diagram to help yourself solve a problem.

16

- a) Draw a quadrilateral in which all of the angles are different sizes. Label the angles.
- b) Draw a quadrilateral in which two of the angles are the same size. Label the angles.

17

Add parenthesis to the following equalities to make them correct:

$$3 \times 174 + 26 = 600$$

$$168 \div 2 \times 3 = 28$$

$$100 \div 5 + 5 - 5 \times 2 = 0$$

$$100 \div 5 + 5 - 5 \times 2 = 20$$

$$100 \div 5 + 5 - 5 \times 2 = 40$$

18

Write suitable signs from +, -, ÷, × OR () into the following number sentences to make all equalities correct.

Example: $4 + 4 - 4 - 4 = 0$

a) $4 \ 4 \ 4 \ 4 = 1$

b) $4 \ 4 \ 4 \ 4 = 2$

c) $4 \ 4 \ 4 \ 4 = 3$