

PAPER AND PENCIL TASKS

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PAPER AND PENCIL TASK #10

Outdoor Metric SCAVENGER HUNT

Find a **large** leaf. Measure its length in cm.

_____ cm

Measure its width in mm.

_____ mm

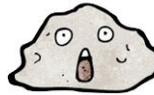


Find a rock from your yard. Measure its length in cm.

_____ cm

Convert to millimeters (mm)... multiply by 10.

_____ mm



Find a fallen branch or twig. Measure its length in mm.

_____ mm

Convert to centimeters (cm)... divide by 10 or move the decimal 1 to the left.

_____ cm



Find a blade of grass. Measure its height in mm.

_____ mm

Convert to centimeters (cm)... divide by 10 or move the decimal 1 to the left.

_____ cm



Estimate the height of your house in meters.

_____ m



Estimate the length of your house in meters.

_____ m

Find the actual length of your house in meters.

_____ m



Measure the height and length of your bike, scooter, or skateboard.

Height: _____ cm

Length: _____ cm



On a sunny day, measure the shadow of a tree in your yard.

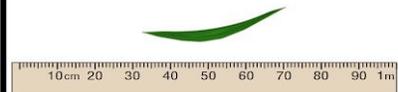
_____ cm

Convert to meters (m)... move the decimal 2 to the left.

_____ m



Find out how many blades of grass it takes to make 1 meter if you lay them end to end in a line.



Find the width around the **largest** tree in your yard.

_____ cm

Convert to meters (m)... move the decimal 2 to the left.

_____ m

Hint: Use a string and then measure the string.



Find the width around the **smallest** tree in your yard.

_____ cm

Convert to millimetres (mm)... multiply by 10.

_____ mm

Hint: Use a string and then measure the string.



Find the **perimeter** of your driveway (length + length + width + width).

_____ m

Find the **area** of your driveway (length X width).

_____ m²



PAPER AND PENCIL TASK #9

INSTRUCTIONS: Answer the following questions, including the word problems. Make sure to use a **RULER** and don't forget to include the **UNIT OF MEASUREMENT** in your answer!

1 cm = 10 mm (cm x 10 = mm)	Area = L x W
1 m = 100 cm (m x 100 = cm)	Perimeter = L + L + W + W
1 m = 1000 mm (m x 1000 = mm)	



Measure the dimensions of the following items in your house:

- Your fridge door.* Measure the height and the width.
 - What is the width of the fridge door in **cm** and **mm**? (short side) _____ cm _____ mm
 - What is the height of the fridge door in **cm** and **m**? (long side) _____ cm _____ m
 - What is the **perimeter** of the fridge door in **cm**? (sum of 4 sides) _____
- A rectangular table or desk.* Measure the length and the width of the table top.
 - What is the width of the table in **cm** and **mm**? (short side) _____ cm _____ mm
 - What is the length of the table in **cm** and **mm**? (long side) _____ cm _____ mm
 - What is the **perimeter** of the table in **cm**? (sum of 4 sides) _____
- A cutting board.* Measure the length and the width.
 - What is the width of the cutting board in **cm**? (short side) _____
 - What is the length of the cutting board in **cm**? (long side) _____
 - What is the **perimeter** of the cutting board in **cm**? (sum of 4 sides) _____
- Now, measure the length and width of a room in your house that is NOT your own bedroom! Measure in **meters (m)**. Length = _____ Width = _____

WORD PROBLEMS

- Miss Kayler has an island in her kitchen. The island is **1.5m wide** and **2.5m long**.
 - What is the perimeter of the island? (Length + Length + Width + Width)
 - What is the area of the island? (Length x Width)
- Mrs. Fraser bought a new coffee table. The table top is **106cm wide** and **154 cm long**.
 - What is the perimeter of the table top? (Length + Length + Width + Width)
 - What is the area of the table top? (Length x Width)



PAPER AND PENCIL TASK #8

INSTRUCTIONS: Answer the following questions, including the word problems. Make sure to use a **RULER** and don't forget to include the **UNIT OF MEASUREMENT** in your answer!

$$1 \text{ cm} = 10 \text{ mm (cm} \times 10 = \text{mm)}$$

$$1 \text{ m} = 100 \text{ cm (m} \times 100 = \text{cm)}$$

$$1 \text{ m} = 1000 \text{ mm (m} \times 1000 = \text{mm)}$$

$$\text{Area} = L \times W$$

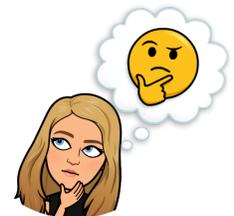
$$\text{Perimeter} = L + L + W + W$$



Measure the dimensions of the following items in your bedroom:

1. *Your bed.* Measure the length and the width.
 - a. What is the **width** of your bed in cm and mm? (short side) _____ cm _____ mm
 - b. What is the **length** of your bed in cm and m? (long side) _____ cm _____ m
2. *Your pillow.* Measure the length and the width.
 - a. What is the **width** of your pillow in cm and mm? (short side) _____ cm _____ mm
 - b. What is the **length** of your pillow in cm and mm? (long side) _____ cm _____ mm
3. *Your door.* Measure the length and the width.
 - a. What is the **width** of your door in **cm**? (short side) _____
 - b. What is the **height** of your door in **m**? (long side) _____
4. What is *an object in your bedroom* that has 4 sides and is **less** than **4 m** around, if you measured the dimensions? _____
5. Now, measure the length and width of your entire room in **meters**!
Length = _____ Width = _____

WORD PROBLEMS



1. Miss Kayler has a big closet in her bedroom. The closet door is **2m high** and **5m wide**.
 - a. What is the **perimeter** of the closet door? (Length + Length + Width + Width)
 - b. What is the **area** of the closet door (m^2)? (Length x Width)
2. Mrs. Fraser and her husband are hanging a new picture on their wall. The picture is **110cm long** and **120cm wide**.
 - a. What is the **perimeter** of the picture? (Length + Length + Width + Width)
 - b. What is the **area** of the picture (cm^2)? (Length x Width)



PAPER AND PENCIL TASK #7

INSTRUCTIONS: Answer the following questions, including the word problems. Make sure to use a **RULER** and don't forget to include the **UNIT OF MEASUREMENT** in your answer!

1 cm = 10 mm (cm x 10 = mm)
1 m = 100 cm (m x 100 = cm)
1 m = 1000 mm (m x 1000 = mm)



Find an object in your house that fits the following criteria:

1. What is an object in your house that is between 15 cm and 30 cm in length? _____
 - a. How long is it in cm? _____
 - b. How long is it in mm? _____
2. What is an object in your house that is less than 5 cm in length? _____
 - a. How long is it in cm? _____
 - b. How long is it in mm? _____
3. What is an object in your house that is between 1 m and 2 m in length? _____
 - a. How long is it in cm? _____
 - b. How long is it in mm? _____
4. What is an object in your house that is less than 30 mm, but more than 10 mm in length?

 - a. How long is it in cm? _____
5. What is an object in your house that is between 20 mm and 40 mm in length?
 - a. How long is it in cm? _____

WORD PROBLEMS



6. Miss Kayler has **4** rolls of tape needed for some household projects. Each roll of tape is **100 cm** long. How many **meters** of tape does she have **in total**?
7. Mrs. Fraser needs to wrap some presents with ribbon. **30 cm** of ribbon is needed for each present. How many presents can she wrap with **4 meters** of ribbon?
8. If Mr. Sawatzky is **2.5 m** tall, how tall is he in **centimeters**?



PAPER AND PENCIL TASK #6

INSTRUCTIONS: Solve the following questions, including the two word problems, with a method of your choice. **Make sure to show all the steps, and circle the final answer.** Remember, don't just email the final answers, show all your work!

+ ADDITION / SUBTRACTION -	x MULTIPLICATION / DIVISION ÷
2524 + 1719	423 ÷ 7
3465 + 4031	510 x 263
9001 - 877	824 x 419
8732 + 3724	930 ÷ 8
7102 - 979	542 ÷ 5
4003 - 899	532 x 499
5735 + 2199	869 ÷ 6
6201 - 798	831 x 215
5230 + 3002	732 ÷ 4
4201 - 978	473 x 92
	*9924 ÷ 20
	*8124 ÷ 10

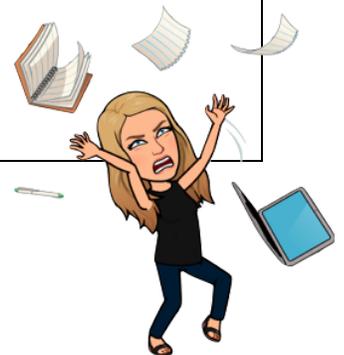
WORD PROBLEMS

Miss Kayler and Mrs. Fraser decided to rent a canoe over summer break. Canoe rentals cost **\$14.50** for a half hour. If Miss Kayler and Mrs. Fraser rented a canoe for one hour and forty-five minutes, *how much would it cost them?*

Miss Kayler wants to organize her books in order of most number of pages to least number of pages.

The longest book has **396 pages** and the shortest book has **one-fourth** as many pages as the longest book.

If the book in the middle of the shelf has **three times** the number of pages of the shortest book, then *how many pages does the middle book have?*



PAPER AND PENCIL TASK #5

INSTRUCTIONS: Solve the following questions, including the two word problems, with a method of your choice. **Make sure to show all the steps, and circle the final answer.** Remember, don't just email the final answers, show all your work!

+ ADDITION / SUBTRACTION -	x MULTIPLICATION / DIVISION ÷
4342 + 2925	981 ÷ 6
4576 + 3149	429 x 170
6401 - 999	731 x 620
5863 + 2718	726 ÷ 2
2100 - 689	999 ÷ 3
3342 - 979	443 x 261
4624 + 1322	879 ÷ 7
1212 - 697	752 x 307
4102 + 2999	421 ÷ 6
2100 - 569	521 x 301
	*8719 x 2903
	*9861 ÷ 20

WORD PROBLEMS

Mrs. Fraser wants to buy a gift for Miss Kayler that costs **\$35.92** and a gift for her husband that costs **\$52.08**. As of now, she has saved only \$16.28. *How much more money does Mrs. Fraser need to save in order to buy the two gifts?*

Miss Kayler went to the grocery store with **\$100**. She bought three gallons of ice cream for **\$7.29 each** (That's a lot of ice cream! I hope she's going to share...). Then, Miss Kayler went to Safeway and bought two dozen ears of corn for **\$5/dozen**. *How much money does Miss Kayler have left?*



PAPER AND PENCIL TASK #4

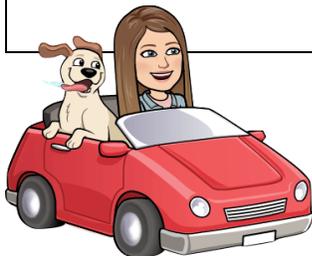
INSTRUCTIONS: Solve the following questions, including the two word problems, with a method of your choice. **Make sure to show all the steps, and circle the final answer.** Remember, don't just email the final answers, show all your work!

+ ADDITION / SUBTRACTION -	x MULTIPLICATION / DIVISION ÷
412 + 811	882 ÷ 2
687 + 471	449 x 89
522 - 440	923 x 49
972 + 826	543 ÷ 4
921 - 699	936 ÷ 3
597 - 248	239 x 74
735 + 521	723 ÷ 7
678 - 489	590 x 37
213 + 734	874 ÷ 6
930 - 524	487 x 35
	*9842 x 182
	*872 ÷ 30

WORD PROBLEMS

A parking lot close to Bell MTS Place has 6 levels and a total of **1 327** parking spots. There are **162** parking spots on the first level. The rest of the parking spots are distributed equally on the other **5** levels. *How many parking spots are there on the top level?*

Miss Kayler started her own landscaping business in the summer months. She charges **\$6** an hour for mowing lawns and **\$11** for pulling weeds. In July, she mowed lawns for **63** hours and pulled weeds for **9** hours. *How much money did she earn in July?*



PAPER AND PENCIL TASK #3

INSTRUCTIONS: Solve the following questions, including the word problems, with a method of your choice. **Make sure to show all the steps, and circle the final answer.**

Once you have completed all the questions, take a picture/scan and email it to me.

Don't just send the final answers, show all your work.

THE QUESTIONS MARKED WITH A * ARE BONUS! (OPTIONAL)

MULTIPLICATION	DIVISION
23 x 390	951 ÷ 2
6 x 360	358 ÷ 7
52 x 440	831 ÷ 9
2 x 117	434 ÷ 4
91 x 473	925 ÷ 3
50 x 527	239 ÷ 4
75 x 610	614 ÷ 8
79 x 790	493 ÷ 7
23 x 721	765 ÷ 2
43 x 502	376 ÷ 5
*987 x 584	*984 ÷ 12
*452 x 5672	*795 ÷ 20

WORD PROBLEMS

1. During the Christmas holidays, about **336** planes take off every day from James Richardson Airport in Winnipeg, Manitoba. The airport opens **12** hours during each day. *How many planes take off from this airport in each hour?*

2. The Millenium Library in downtown Winnipeg has **3 489** non-fiction books, **8 617** fiction books, and **1 240** reference books. All books, except the reference books, are available for loan. *How many books are available for loan?*

PAPER AND PENCIL TASK #2

INSTRUCTIONS: Solve the following questions with a method of your choice.

Make sure to show all the steps, and circle the final answer.

Once you have completed all the questions, take a picture/scan and email it to me.

Don't just send the final answer, show all your work.

THE QUESTIONS MARKED WITH A * ARE BONUS! (OPTIONAL)

MULTIPLICATION	DIVISION
347 x 31	953 ÷ 2
426 x 4	674 ÷ 7
579 x 25	98 ÷ 9
53 x 21	884 ÷ 4
96 x 9	123 ÷ 3
621 x 4	849 ÷ 4
726 x 33	644 ÷ 8
908 x 72	469 ÷ 7
214 x 8	849 ÷ 2
32 x 78	554 ÷ 5
*427 x 932	*900 ÷ 10
*784 x 354	*784 ÷ 33

PAPER AND PENCIL TASK #1

INSTRUCTIONS: Solve the following questions with a method of your choice.

Make sure to show all the steps, and circle the final answer.

Once you have completed all the questions, take a picture/scan and email it to me.

Don't just send the final answer, show all your work.

MULTIPLICATION	DIVISION
32 x 12	842 ÷ 2
4 x 14	567 ÷ 7
5 x 567	81 ÷ 9
62 x 11	44 ÷ 4
9 x 89	936 ÷ 3
6 x 749	468 ÷ 4
76 x 43	64 ÷ 8
8 x 97	49 ÷ 7
2 x 984	669 ÷ 2
43 x 22	294 ÷ 5