

NWSD Mid-Point Check Up
GRADE 6

Name _____ Date _____

Students: Put a smile in the circle after each part of the test to indicate whether or not it was 'easy' 😊 for you to complete or 'difficult' 😞.

PART ONE – ORAL FACTS

ADDITION
FACTS

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

SUBTRACTION
FACTS

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

MULTIPLICATION
FACTS

1. _____
2. _____
3. _____
4. _____
5. _____

FRACTIONS

1. _____
2. _____
3. _____
4. _____
5. _____

DIVISION FACTS

1. _____
2. _____
3. _____
4. _____
5. _____

MENTAL MATH

1. _____
2. _____
3. _____
4. _____
5. _____

PART TWO – ESTIMATION

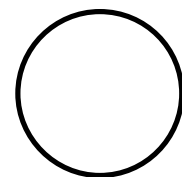
1. Estimate the sum of $188+147+244+136+271$.

Describe how you estimated the sum.

2. Estimate the product of 82×5

Describe how you estimated the product.

Students! What did you think about this section of the check-up?



PART THREE - COMPUTATION

1.
$$\begin{array}{r} 50147 \\ + 80 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 42.76 \\ + 0.92 \\ \hline \end{array}$$

3. $4017 + 684 =$

4. $121.34 + 73.6 =$

5.
$$\begin{array}{r} 41\ 622 \\ - 921 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 32.48 \\ - 1.83 \\ \hline \end{array}$$

7. $2\ 648 - 294 =$

8. $941.6 - 22.9 =$

9.
$$\begin{array}{r} \frac{5}{8} \\ + \frac{1}{8} \\ \hline \end{array}$$

10. $\frac{5}{8} - \frac{3}{8} =$

11. $3\frac{6}{10} + \frac{3}{10} =$

12. $2\frac{7}{10} - 1\frac{3}{10} =$

13.
$$\begin{array}{r} 38 \\ \times 7 \\ \hline \end{array}$$

14. $24 \times 18 =$

15.
$$\begin{array}{r} 1.65 \\ \times 4 \\ \hline \end{array}$$

16. $203.7 \times 7 =$

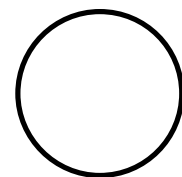
17. $8 \overline{)296}$

18. $921 \div 6 =$

19. $28.6 \div 5 =$

20. $4 \overline{)32.68}$

Students! What did you think about this section of the check-up?



PART FOUR – NUMBER SENSE

1. Fill in the missing numbers in these sequences:

a) 6, _____, 18, _____, _____, 36, _____

b) 1, 2, 4, _____, 16, 32, _____, _____

2. 468 505 011

Round this number to the:

nearest ten million _____

nearest hundred thousand _____

nearest one thousand _____

hundred _____

3. Complete the table.

STANDARD	WRITTEN WORD
1 093	
	one million nine hundred thousand sixty three
93.47	
	four hundred fourteen thousandths

4. Arrange these numbers in decreasing order.

42.8 428.4 14.2 4028 4.082

_____, _____, _____, _____, _____

5. Order these numbers from least to greatest.

1 260 000, 984 812, 1 298 126, 2 000 124, 1 298 214

_____, _____, _____, _____, _____

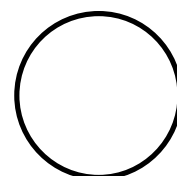
6. Hidden digits.

$$\begin{array}{r} \text{a) } 2_64 \\ +673_ \\ \hline _2_9 \end{array}$$

$$\begin{array}{r} \text{b) } 8_75 \\ - 82_ \\ \hline _2_3 \end{array}$$

$$\begin{array}{r} \text{c) } 67 \\ \times 4_ \\ \hline _34 \\ 2_8_ \\ \hline 2814 \end{array}$$

Students! What did you think about this section of the check-up?



PART FIVE – WORD PROBLEMS

1. Zachary has 24 kayaks. He rents out a kayak for \$14 per hour. All the kayaks are rented for 8 hours. How much money will Zachary get?

Which strategy did you use? Describe or check one from the list.

Problem Solving Strategy Menu

- Act it out.
- Use a model.
- Draw a picture.
- Guess and test.
- Look for a pattern.
- Use an open sentence.
- Make a chart/table or graph.
- Solve a simpler problem.
- Make an organized list.
- Work backward.
- Use logical reasoning.
- Consider all possibilities.
- Consider extreme cases.
- Change your point of view.
- Other (explain)

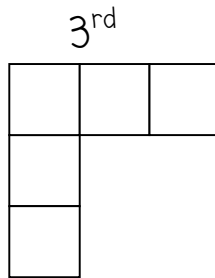
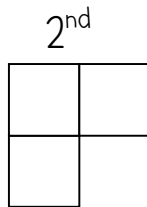
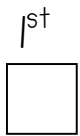
2. There are 12 more girls than boys in the gym. Altogether there are 34 students. How many are boys? *Which strategy did you use? Please describe or check one from the list.*

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- Work backward.
- Use logical reasoning.
- Consider all possibilities.
- Consider extreme cases.
- Change your point of view.
- Other (explain)

3. How many squares would be in the 10th design?

Which strategy did you use? Please describe or check one from the list.



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- Consider all possibilities.
- Consider extreme cases.
- Change your point of view.
- Other (explain)

4. Tracey wants to put 8 pictures on each scrapbook page. She has 32 pictures in total. How many pages will she make? *Solve this problem using 2 different strategies. Which strategies did you use? Please describe or check one from the list.*

Problem Solving Strategy Menu

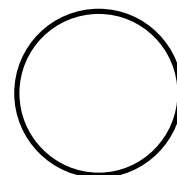
- Act it out.
- Use a model.
- Draw a picture.
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- Make a chart/table or graph.
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- Make an organized list.
- Work backward.
- Use logical reasoning.
- Consider all possibilities.
- Consider extreme cases.
- Change your point of view.
- Other (explain)

5. Which number less than 30 has the most factors?
Which strategy did you use? Please describe or check one from the list.

Problem Solving Strategy Menu

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- Draw a picture.
- Guess and test.
- Look for a pattern.
- Use an open sentence.
- Make a chart/table or graph.
- Solve a simpler problem.
- Make an organized list.
- Work backward.
- Use logical reasoning.
- Consider all possibilities.
- Consider extreme cases.
- Change your point of view.
- Other (explain)

Students! What did you think about this section of the check-up?



PART SIX – MENTAL MATH STRATEGIES INTERVIEW

ADDITION STRATEGIES

1. $405 + 303 =$

2. $12\,000 + 2004 =$

SUBTRACTION STRATEGIES

1. $1100 - 1092 =$

2. $804 - 600 =$

MULTIPLICATION STRATEGIES

1. $80 \times 30 =$

2. $2000 \times 24 =$

DIVISION STRATEGIES

1. $8000 \div 10 =$

2. $260 \div 2 =$

PROBLEM SOLVING STRATEGIES

There are some dogs in the park. You see 12 more legs than tails.
How many dogs are there?