



Exam Sheet
Grade-3 GSW
Junior
Mathematics
Tournament

March 3

2012

Grade -3

DO NOT OPEN UNTIL YOU ARE INSTRUCTED TO DO SO

1. Add:

$$\begin{array}{r} 234 \\ +234 \\ \hline \end{array}$$

2. You have 23 pencils and your sister gives you 12 pencils. How many pencils do you have now?

3. What number is 10 more than 72?

4. You have 14 apples and you give half of them to Mike. How many apples do you give to Mike?

5. John has 48¢ and his dad gives him 2 dimes. How much money does John have now?

6. What comes next?

61, 65, 69, 73, -----

7. On Sunday you earn 5¢, on Monday you earn 10¢, on Tuesday you earn 15¢. It goes like this for the rest of the week. How much will you earn on Friday?

8. Write the correct number in the box.

$$\boxed{} + 9 = 20$$

9. Three boys are playing outside. They find 12 balls. If they share the balls equally, how many will each boy get?

10. Write as a numeral:
Six Hundreds, Seven Tens and Four Ones.

11.

$$801$$

$$-711$$

12. How many tens are in 234?

13. Julie goes to the park at 12:30 pm and comes back 45 minutes later. What time will Julie be back?

14. Erasers are 18¢ each. How much will it cost for 4 erasers?

15. How many sides does a pentagon have?

16. Multiply:
$$\begin{array}{r} 45 \\ \times 5 \\ \hline \end{array}$$

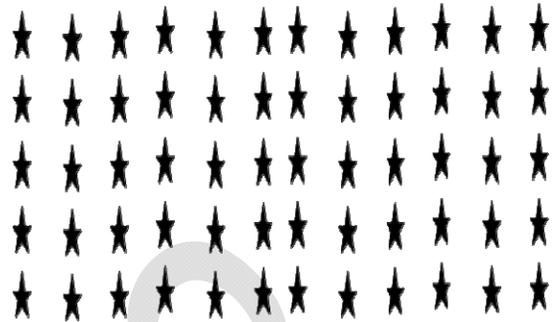
17. There are seven trucks. Each truck has 8 wheels. How many wheels are there all together?

18. What is one-third of 18?

19. Write the correct number in the box.

$$456 - \boxed{} = 123$$

20. How many stars are here?

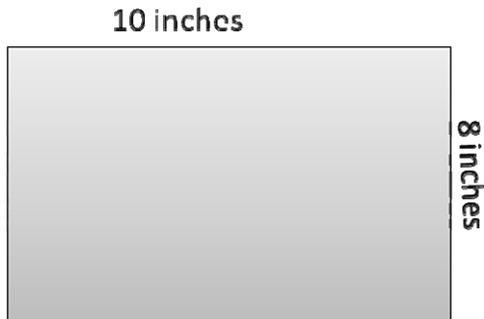


21. In January, 23 inches of snow fell and in February, 22 inches of snow fell. Altogether, this was 5 inches more than last year. How much snow fell last year?

22. A toy costs \$5.00 and Sara has \$18.00. How much more money does Sara need to buy 5 toys?

23. What is $3 \times 4 + 16 - 8$?

24. What is the perimeter of the rectangle in inches with length 10 inches and width 8 inches?



25. Lisa is shorter than Ted.
Lisa is taller than George and Ryan is the shortest.
Who is the tallest?

26.

$$\begin{array}{r} 9999 \\ + 7777 \\ \hline \end{array}$$

27. How many sides does a hexagon have?

28. Multiply:

$$\begin{array}{r} 234 \\ \times 11 \\ \hline \hline \end{array}$$

29. Add:

$$456 + 666 + 98 + 123 = ?$$

30. Subtract:

$$\begin{array}{r} 720 \\ - 689 \\ \hline \hline \end{array}$$

31. Add:

$$\begin{array}{r} 137 \\ 689 \\ + 347 \\ \hline \hline \end{array}$$

32. Which one is bigger?

4,567 or 4,657



Exam Sheet
Grade-4
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March 3

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Grade -4

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- There are 28 students in Mrs. Abney's classroom, 31 in Mrs. Bailey's room, and 32 in Miss Clark's room. Mrs. Dobbs, the principal, needs 100 students for a school picture. How many more students would be required?
- In football a touchdown counts 6 points, a field goal counts 3, and a safety counts 2 points. How many total points are scored if a team scores 2 touchdowns, 4 field goals and 3 safeties?
- A Monopoly player has 3 five dollar bills, 5 ten dollar bills, 7 twenty dollar bills, and 6 one hundred-dollar bills. How much Monopoly money does this player have?
- $21 + 32 + 48 + 54 + 69 + 76 = ?$
- What is the greatest fraction from this list?
 $2/3, 5/6, 4/5, 7/8, 6/5, 8/9$
- Write the numeral that has 7 tens, 4 hundreds, 3 ten thousands, 6 thousands, and 8 ones.

- Which is the largest number?

Choose from:

- 47 divided by 9
 - 47 divided by 13
 - 47 divided by 7
 - 47 divided by 2,
 - 47 divided by $1/2$.
- At Beau's school a normal day consists of 4 blocks and lunch. A day begins at 8:30am. When is it over?

Activity	Time Length
Block 1	85 min
Block 2	85 min
Lunch	45 min
Block 3	85 min
Block 4	85 min

- The first and second floors of Anna's home are connected by a stairway with 13 steps between the 2 levels. The rise between successive steps is $8\frac{1}{2}$ inches. It is also $8\frac{1}{2}$ inches from the last step up to the second floor level. How far apart, in feet and inches, are the two floors?
- Which is a longer time period: the month of April, the month of December, or 736 hours?

11. Suzanne drank two 8-ounce glasses of orange juice, three 8-ounce glasses of milk and four 8-ounce glasses of water. How many pints of liquid did she drink? (1 pint = 16 ounces)

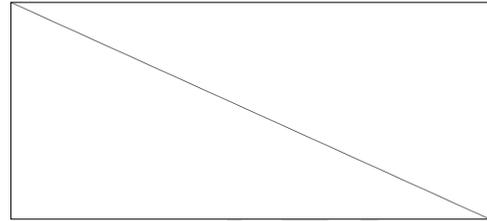
12. Three groups enter Wild Adventures Park. There are 6 in one group, 9 in one group, and 25 in another. The total cost for tickets for each of these 3 groups is shown in the table below:

No. of Tickets	Total Cost
6	\$42
9	\$63
25	\$175

How much would 30 tickets cost?

13. Five bus loads of 4th graders arrive in the parking lot of the Ghimire Science Musuem. No bus holds more than 46 students and it is known that the smallest group has 43 students. Which of the following is a possible total number for the 4th graders on these 5 buses? Choose from these values:
209, 216, 232, 244.

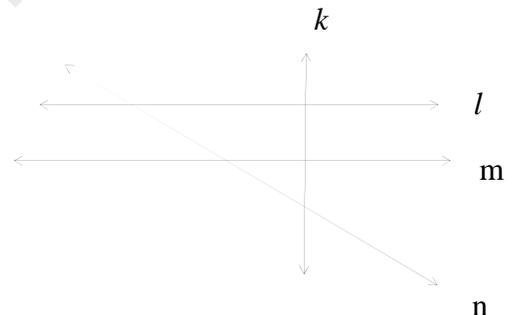
14. A rectangular piece of printer paper is folded neatly by creasing it between the opposite corners.



What new shapes are formed?
Choose from:

isosceles triangles,
equilateral triangles,
right triangles, or
obtuse triangles.

15.



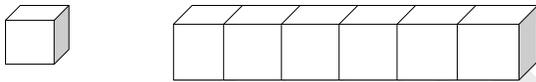
In the figure above identify the pair of parallel lines.

16. Which of the following is a parallelogram with four congruent sides and a pair of opposite obtuse angles? Choose from: **Rhombus, Square, Rectangle, Triangle**

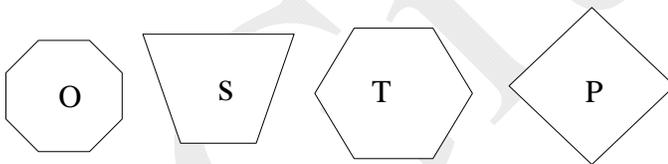
17. There are about 300,000,000 Americans with ten fingers and ten toes with fingernails and toenails on each. Suppose a fad sweeps the country where Americans paint all of their nails at 10 cents per nail and $\frac{1}{6}$ of Americans participate in this fad. About how much money is spent on this activity?

18. A pencil weighs which of the following? **4 tons, 4 pounds, 4 kilograms, 4 grams, or 4 ounces.**

19. In a single cube 6 faces are exposed. If 6 cubes are glued together as shown, how many faces would be exposed?

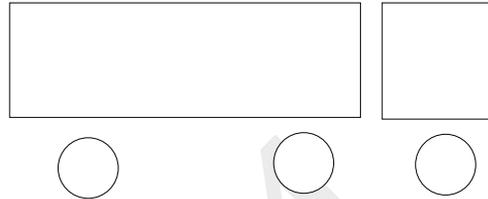


20.

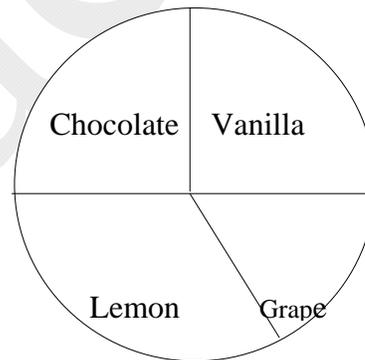


What common English word is spelled by writing the labels of the above four figures in this order:
square, octagon, trapezoid, hexagon?

21. *****What 3 shapes does your math teacher want you to see in this figure?



22. The flavors in the pictograph represent preferences of 360 people in a survey. Which flavor is preferred by about 120 people?



23. Write the correct number in the box:

$$152,207 \times 73 =$$

24. Movie tickets for Bert and 4 of his friends cost \$5.75 each. They bought 5 drinks at \$2.50 each and shared 3 boxes of popcorn at \$4.50 each. What was their total amount spent?

25. Sue has 3 tens, 4 ones, and 7 quarters. Cam had 7 fives and 2 quarters. Juan has 1 twenty, 3 fives, 2 dimes and 7 pennies. Who has the most money?

26. Dora grew 2.3 inches in height when she was age 6, she grew 3.2 inches when she was 7, she grew 3.5 inches when she was 8, and she grew 3.8 inches when she was 9. On her 6th birthday she was 44.2 inches tall. How tall was she on her 10th birthday? Answer in feet and inches.

27. The lunchroom was about out of oranges when the last class came for lunch. There were 30 students and only 24 oranges. So, the staff quartered each orange and gave each student 3 quarters. How many quarters of oranges were left over for the teachers?

28. Loretta was asked to add
 $69 + 81 + 72 + 88 + 41 + 63 + 48$.

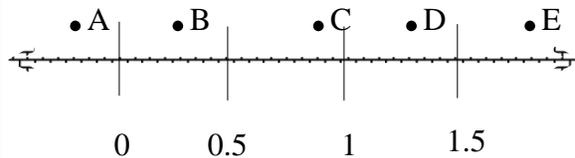
She did not want to list them in a column and add up and down so she used a different method. She added

$$70 + 80 + 70 + 90 + 40 + 60 + 50 = 460$$

quickly in her head. The actual amount was how much more than her estimate?

29. $19 \times 21 = 399$, $29 \times 31 = 899$, and $39 \times 41 = 1599$. What is 69×71 ?

30. Which point on the number line best represents the result of $(1/3) \div (1/4)$?



31. Bob's Burgers charges varying amounts for their different sized soft drinks as shown in the table:

Drink size	Drink cost
10 oz.	\$1.50
12 oz.	\$1.70
16 oz.	\$2.10
20 oz.	\$2.50

Which of the following is the rule to determine the cost of a drink?

Choose from:

- A. 15 cents per ounce,
 - B. 12.5 cents per ounce,
 - C. 10 cents per ounce plus, 50 cents,
 - D. 12 cents per ounce plus 30 cents.
32. $8 - 4 \div 2 \times 1 + 3 = ?$
33. ***** Mrs. Lincoln has a plate of cookies on her desk at the beginning of the school day. She leaves the room for a minute and returns and notices half of the cookies are missing. She turns her back to write on the board and turns back around and half of the remaining cookies are missing. She walks to the teacher's lounge and returns and half of those cookies are missing. Later she goes to lunch and half

of the remaining cookies are gone leaving only one cookie. How many cookies were on the plate at the beginning of the day?

34. A certain number when tripled and then increased by 34 equals 100. What is this number?

35. A bag contains 3 blue marbles, 6 red marbles, and 11 white marbles. What fraction of the marbles in the bag are red?

36. $3\frac{3}{8} + 5\frac{1}{8} + 12\frac{5}{8} + 9\frac{7}{8} = ?$

37. $\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4} \times \frac{5}{5} \times \frac{5}{6} \times \frac{6}{7} = ?$

38. $1 + 20 + 300 + 4000 + 50,000 + 600,000 = ?$

39. $1 \times 2 \times 3 \times 4 \times 5 \times 6 \times 7 = ?$

40. $123,456,789 \div 9 = ?$



Exam Sheet
Grade-5 GSW
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March 3

2012

Grade -5

DO NOT OPEN UNTIL YOU ARE INSTRUCTED TO DO SO

1. Daniel reads 3 books and each of the books has 20 pages. Each page has 300 words. How many words does Daniel read?

2. Daniel read 96 books last year. What is the average number of books that Daniel read each month?

3. 10 out of 25 students were absent on a rainy day. What percent of the students were present?

4. Add:
 $134.99 + 1.73 + 1.032 + 1.003$

5. Mr. Adams writes 6 pages an hour and he has to write 15 pages. How many hours will it take him?

6. Multiply:

$$237 \times 12$$

7. The table shows the average number of hours Jimmy spends on his daily activities.

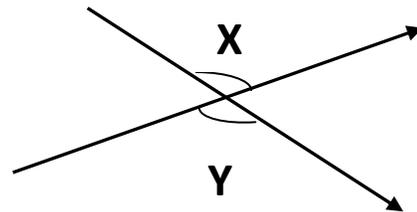
Jimmy's Activities	Number of Hours he Spends
Computer	2
TV	2
Play	2
Sleep	9
School	7
Study at Home	2

How many hours does Jimmy spend on watching TV and sleeping?

8. One tablespoon = $\frac{1}{16}$ cup.

How many tablespoons are in 2.5 cups?

9. If $X = 120^\circ$, what is Y?



10. In the number **325.109**, which digit is in the tenths place?

11. Add : $1\frac{2}{3} + 2\frac{1}{3}$

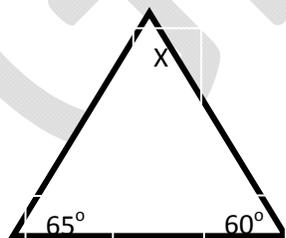
12. Which one is the greatest?

$$\frac{4}{3}, \frac{3}{4}, \frac{8}{8}, \frac{8}{9}, \frac{9}{8}$$

13. What is the perimeter of a square in inches that has a side of length 2 inches?

14. What is the area of a rectangle in square inches whose length is 10 inches and whose perimeter is 30 inches?

15. What is the value of X in the following triangle?



16. Nick had \$24.00. He spent one third of the money on Monday, \$6.00 on Tuesday and the remaining on Wednesday. How much money did he spend on Wednesday?

17. You have 5000 grams of sugar. How many kilograms is this?

18. A book is $\frac{2}{3}$ of a foot thick. If you stack 6 such books, how tall is the stack in feet?

19. What % of 25 is 12?

20. The price of a shirt is \$30.00 and has 7% sales tax. How much do you have to pay to buy the shirt?

21. What is the area of the rectangle in square feet which is 48 inches long and 2 feet wide?

22. What is the area of a circle in square cm whose radius is 2 cm? (Use $\pi = 3.14$)

23. What is the value of X if $2X+1=5$?

24. 6 toys cost \$18.00. How much do 10 toys cost?

25. Fred had \$20.00. He spent \$10.40 on a movie, \$3.12 on popcorn and \$2.12 on a popsicle. How much does Fred have now?

26. Kelley is 3 years older than her little sister Katie and 5 years younger than her brother Nick. Her brother is 16 years old. How old is Katie?

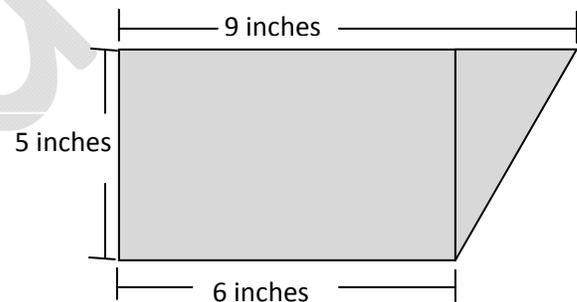
27. If 144 students are divided equally in 12 groups, how many students are in each group?

28. \$18.00 has to be divided equally among 4 students. How much money will each of the students get?

29. Write the correct number in the box.

$$10 + 12 - 6 \div 2 + 3 =$$

30. What is the area of the following figure in square inches?



31. Mr. Adams writes 6 pages a day for five days every week. He has to write 990 pages. How many weeks will it take him?

32. What is the mean for this set of data?

5, 1, 22, 18, 7, 7, 24

33. Bonny is shopping for 360 pencils and 360 erasers. A store sells the pencils for \$0.25 each and erasers for \$0.30 each. How much does Bonny have to pay?

34. Bonny is shopping for 300 pencils, 300 erasers and 300 markers. A store sells the pencils for \$0.26 each, erasers for \$0.32 each and markers for \$0.50 each. How much does Bonny have to pay?

35. Joe, Dave, Abi, Bob and Liz were introduced and each of them shook hands with the others. How many different handshakes did occur?

36. Maria ran $2\frac{5}{3}$ miles. Josh ran $4\frac{1}{3}$ miles. How many more miles did Josh run than Maria?

37. Josh ran $2\frac{2}{6}$ miles. Maria ran $7\frac{1}{3}$ miles. How many more miles did Maria run than Josh?

38. What is the value of Y if X = 120° ?

