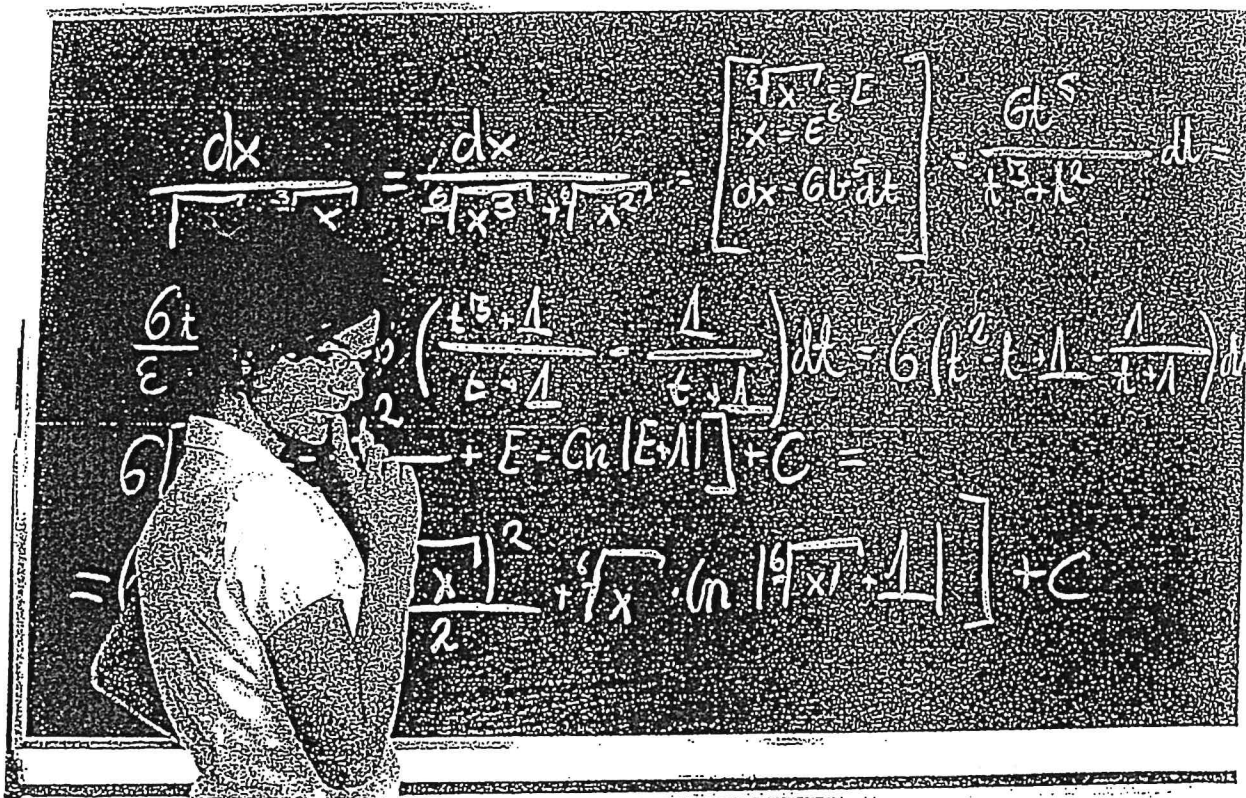# Summer Math for SCS
Grade 6

Please complete this entire Math packet and bring it with you on the first day of sixth grade math. It counts as your first test grade. This assignment contains many different types of Math concepts. Try your best!

ALSO, MAKE SURE YOU SHOW ALL OF YOUR WORK ON LOOSE LEAF AND PLACE YOUR ANSWERS ON THE LINES PROVIDED ON EACH WORKSHEET.

2024

1. Compare 61,747_____502,746

    a. <   c. >

    b. =   d. Not given

2. Which is a prime number :

    a. 9   c. 16

    b. 15   d. 17·

3. 46,828 + 32, 793 = _____

4. $20 \div \boxed{} = 5$

5. Choose the example whose product is even.

    a. 29 x 3   b. 29 x 4

    c. 43 x 7   d. 81 x 5

6. $(\boxed{} \times 6) + 3 = 57$

7. 90 x 35 = n (solve for n) _____

8. 928 x 67 = n (solve for n) _____

9. $ 8.76 x 92 = n (solve for n) _____

10. 290 ÷ 70 = n (solve for n) _____

11. A can of coffee weighs 0.55 pound. How much do 45 cans of coffee weigh?

The cans of coffee weigh _____ pounds.

Choose the best estimate for 13 and 14

12. 510 + 481 = _____

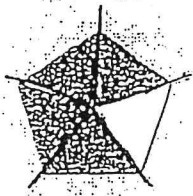 a. 800   c. 1,000

  b. 900   d 1.100

13. 92 x 28 = _____

  a. 2,700   c. 1,800

  b. 2,400   d. 1,600

14. Which fraction is closest to $\frac{1}{2}$?

  a. $\frac{7}{12}$ c. $\frac{2}{3}$

  b. $\frac{3}{4}$ d. $\frac{1}{3}$

15. $ 21.78 + $36.60 = _____

16. What fraction is shaded?

17. . What is the whole or mixed number for $\frac{14}{5}$? _____

18. . Compare. $\frac{2}{3}$ ☐ $\frac{1}{2}$

    a. <   c. >

    b. =   d. not given

19. . $\frac{1}{10}$ + $\frac{3}{10}$ = ☐

20.

Month	Campers in State Park
May	🏕 🏕 🏕
June	🏕 🏕 🏕 🏕 🏕
July	🏕 🏕 🏕 🏕 🏕 🏕 🏕
August	🏕 🏕 🏕 🏕

🏕 = 100 Campers

How many campers visited the park in June?

_____

21. . In a swimming relay, Rita swam her leg of the relay in 130 seconds. Sue swam her leg of the relay in 20 seconds less than Rita. Liz swam her leg in 20 seconds less than Sue. How many seconds did it take the three swimmers to finish the race?

_____

22. Forty-seven candy bars cost $88.36. How much does one candy bar cost?

The candy bar costs _____.

23. Julia went to the store and bought 3 items that cost $5.87, $21.62, and $11.48. What was the total cost of these 3 items?

The total cost of the 3 items was _____.

24. What time will it be 25 minutes after 10:15 a.m?

25. Last week, Jean's Office Supplies received 17 packets of pens with 14 pens in each packet. This week the store received 19 packets of pens with 18 pens in each. How many pens were received in the two weeks?

26. Phil bought 7 old American stamps for $3.20 and 4 foreign stamps for $2.50. How many stamps did he buy?

27. Miranda wants to buy a tennis racket that costs $109.95. She has $68.50 saved from babysitting. How much more money does she need?

Miranda needs _____.

28. What is 293,765 rounded to the nearest hundred thousand?

29. Find n

n + 18 = 26

_____

30. 8,000 x 70 =

_____

31. 1,530 x 6 =

_____

32. What are two common multiples of 3 and 5?

   a. 5, 15   c. 25, 35

   b. 15, 30   d. 33, 45

33. $475 \div 4 =$ _____

34. $1,792 \div 7 =$ _____

35. 6,002 - 4,860 = _____

36. $480 \div 7 =$ _____

37.

Skating Rink Admission	
Adults	$ 3.00
Children	$ 1.00

Mrs. Barr and 3 children went skating. How much did they pay?

_____

38. REFRESHMENT SALES AT TOWN FAIR

	Day 1	Day 2	Day 3
Pretzels	$ 153	$ 174	$ 161
Cups of cider	$ 105	$ 132	$ 118

How much more money, in all, was taken in on Day 2 than on Day1 ? _____

39.
$$5,298$$
$$+ 8.347$$

_____

40. Find n

$$400 \times n = 36,000$$ _____

41. What are the first four multiples of 5 ?

a. 5, 15, 20, 30
b. 0, 5, 15, 25
c. 0, 5, 10, 20
d. 0, 5, 10, 15

42. Choose the related division problem. 6×7

a. $36 \div 6$ c. $42 \div 6$

b. $35 \div 7$ d. $49 \div 7$

43. 3) 3,168

_____

44. 13.21 - 6.89

    a. 8   c. 6

    b. 7   d. 5

45. $\frac{5}{6}$ − $\frac{1}{6}$

_____

46. Find the area of the bedroom:

Area = length x width

5 cm

| Bedroom |

3 cm

_____
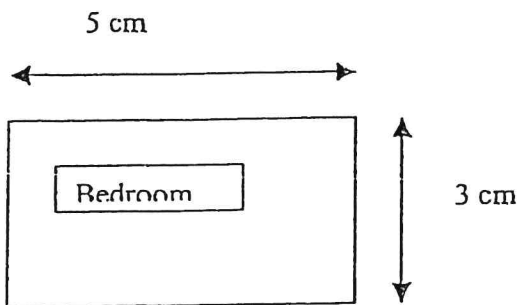
Progress Check 1 (Lessons 2-1 and 2-2)

Find the GCF of each set of numbers.

1 9 and 21 _____

2 28 and 40 _____ .

3 18 and 45 _____

4 10 and 22 _____

5 30, 50, and 100 _____

6 12, 15, and 21 _____

7 12, 24, and 60 _____

8 21, 35, and 49 _____

Write each fraction in simplest form.

9 $\frac{9}{12} =$ _____

10 $\frac{8}{32} =$ _____

11 $\frac{6}{14} =$ _____

12 $\frac{5}{25} =$ _____

13 $\frac{30}{35} =$ _____

14 $\frac{24}{40} =$ _____

15 $\frac{18}{27} =$ _____

16 $\frac{20}{54} =$ _____

Solve.

17 MEASUREMENT Tamara measures the length of her group's four insects. Look at the table. What is the measure of the third insect in simplest form?

_____

18 FLOWERS Marcus found 16 different wildflowers and 20 different leaves on his hike. He plans to display them in rows with an equal number of wildflowers and leaves in each row. What is the greatest number of flowers or leaves Marcus can put in a row?

_____

Insects	
Insect	Size
1	$\frac{60}{100}$ in.
2	$\frac{89}{100}$ in.
3	$\frac{75}{100}$ in.
4	$\frac{95}{100}$ in.

Lesson 4 Mixed Numerals to Fractions

$$4\frac{2}{3} = \frac{(3 \times 4) + 2}{3}$$

Multiply the denominator by the whole number and add the numerator.

$$3\frac{1}{6} = \frac{(\quad \times \quad) +}{6}$$

$$= \frac{12 + 2}{3}$$

Use the same denominator.

$$= \frac{+}{6}$$

$$= \frac{14}{3}$$

$$= \frac{}{6}$$

Change each mixed numeral to a fraction.

	a	b	c
1.	$2\frac{5}{8}$ _____	$2\frac{3}{5}$ _____	$3\frac{2}{3}$ _____
2.	$3\frac{7}{10}$ _____	$10\frac{2}{3}$ _____	$14\frac{1}{2}$ _____

Change each fraction to a mixed numeral.

	a	b	c
3.	$\frac{5}{2}$ _____	$\frac{9}{5}$ _____	$\frac{7}{2}$ _____
4.	$\frac{9}{4}$ _____	$\frac{6}{5}$ _____	$\frac{8}{3}$ _____
5.	$\frac{14}{3}$ _____	$\frac{10}{3}$ _____	$\frac{17}{5}$ _____

Name _____ Date _____ Class _____

Add. Write each answer in simplest form.

1. $7\frac{2}{7} + 6\frac{5}{7}$

2. $5\frac{4}{9} + 3\frac{7}{9}$

3. $4\frac{1}{3} + 8\frac{1}{4}$

_____

_____

_____

4. $2\frac{7}{15} + 3\frac{11}{15}$

5. $6\frac{9}{10} + 1\frac{2}{5}$

6. $2\frac{3}{5} + 1\frac{11}{20}$

_____

_____

_____

7. $5\frac{9}{10} + 2\frac{5}{8}$

8. $2\frac{11}{12} + 3\frac{7}{8}$

9. $1\frac{2}{3} + 5\frac{7}{9}$

_____

_____

_____

Subtract. Write each answer in simplest form.

10. $7\frac{7}{9} - 3\frac{5}{9}$

11. $9\frac{7}{10} - 5\frac{3}{10}$

12. $4\frac{13}{15} - 1\frac{7}{15}$

_____

_____

_____

13. $6\frac{2}{3} - 3\frac{3}{5}$

14. $10\frac{3}{4} - 6\frac{1}{3}$

15. $2\frac{3}{10} - 1\frac{7}{8}$

_____

_____

_____

16. $8\frac{7}{12} - 6\frac{1}{3}$

17. $5\frac{7}{8} - 3\frac{9}{10}$

18. $7\frac{6}{7} - 6\frac{3}{4}$

_____

_____

_____

19. Tucker ran $5\frac{3}{8}$ miles on Monday and $3\frac{3}{4}$ miles on Tuesday.
How far did he run on both days?

_____

Multiply. Write each product in simplest form.

1 $\frac{1}{3} \times \frac{5}{8} = $ _____

2 $\frac{2}{5} \times \frac{3}{7} = $ _____

3 $\frac{9}{11} \times \frac{4}{18} = $ _____

4 $\frac{8}{15} \times \frac{6}{16} = $ _____