

Math
+ Summer
Progress

Hamilton School

ENTERING GRADE 5

Student Name: _____

Directions: Please complete this Summer Math Packet over the summer and return to your math teacher on the first day of school.

- Students should show all work on this math packet next to the problem.
- Students should **NOT** use a calculator.
- This will be your first math grade of the year!

Have a GREAT summer! Happy computations!

- 1 There are 900 books in the "Fiction" section of the library. Which expression has the same value as 900?

A 2×90
B 10×9
C 10×90
D $10 + 9$

- 2 Which is read "eight million, five hundred thousand, thirty-eight"?

A 8,538,000
B 8,500,038
C 8,005,380
D 8,530,008

- 3 Directions: Click on each statement that is correct. You must select all correct statements.

Choose all of the true statements.

$9,538 > 8,181$	$4,717 < 2,479$
$2,365 < 3,843$	$6,256 > 5,692$

- 4 The population of Ardmore, Oklahoma, is greater than the population of Del City, Oklahoma. The population of Del City is 22,128. What could be the population of Ardmore?

A 22,127
B 21,228
C 23,711
D 21,718

- 5 Which number below is equivalent to $400,000 + 50,000 + 1,000 + 700 + 80 + 6$?

A 91,786
B 451,786
C 451,840
D 4,517,860

- 6 Marcie has 1254 coins in her coin collection. Her sister has 1023, her father has 2154, and her brother has 1203. Which list shows these numbers in order from largest to smallest?
- A 2154, 1203, 1023, 1254
 - B 2154, 1254, 1203, 1023
 - C 1023, 1203, 1254, 2154
 - D 1023, 1254, 1203, 2154

- 7 The table shows the number of pages Justine read in a book each week.

Pages Read

Week	Number of Pages
1	108
2	180
3	118
4	110

Which week did Justine read the most pages?

- A Week 1
 - B Week 2
 - C Week 3
 - D Week 4
- 8 A factory packed 497 jars of pickles in the morning and 189 jars of pickles in the afternoon. The next day, the factory shipped 112 jars of pickles to local stores. About how many jars of pickles were left at the factory?
- A 300 jars
 - B 200 jars
 - C 600 jars
 - D 400 jars

- 9 The table below shows the area, in acres, of four national parks.

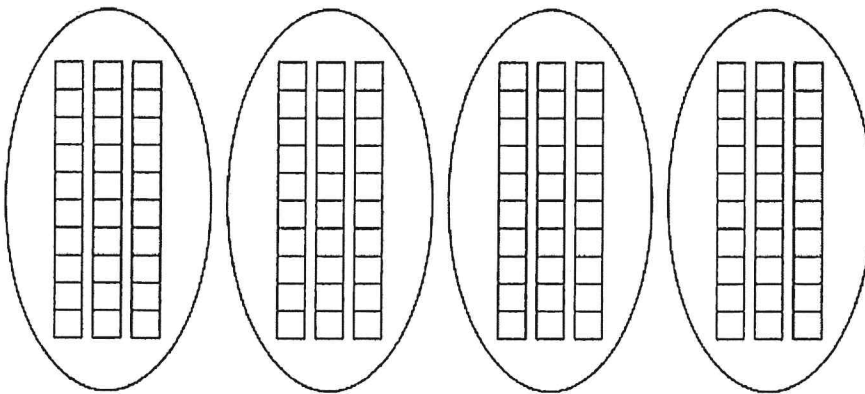
National Parks

Name	Area (acres)
Canyonlands	337,570
Kings Canyon	461,901
Grand Teton	309,994
Sequoia	402,482

Which national park listed has an area closest to 400,000 acres?

- A Canyonlands
 - B Kings Canyon
 - C Grand Teton
 - D Sequoia
- 10 For a field trip, the teachers ordered boxed lunches for 43 students. Each lunch cost \$6. What was the total cost of the lunches?
- A \$49
 - B \$258
 - C \$37
 - D \$248

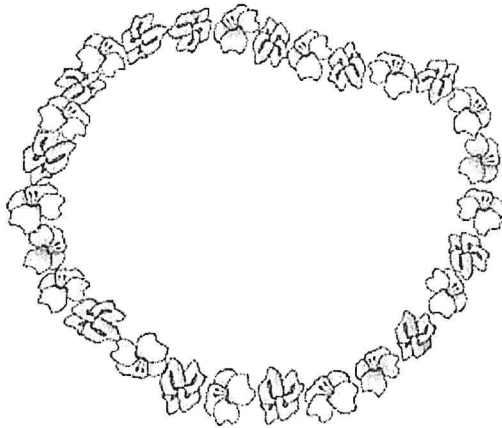
- 11 Timothy has 4 groups of 30 base-ten blocks.



Which number is equal to 4 groups of 30?

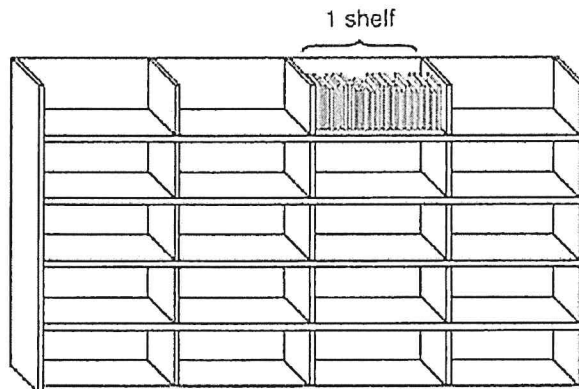
- A 120
- B 70
- C 12
- D 7

- 12 Ms. Harrelson wants to give each student in her class 25 jellybeans. There are 32 students in her class. How many jellybeans will Ms. Harrelson need for her class?
- A 224
 - B 6,560
 - C 57
 - D 800
- 13 A pizza shop uses 10 slices of pepperoni on each small pizza that is made. On Friday, they made 15 small pizzas. How many pepperonis were used on all 15 pizzas?
- A 150
 - B 15,000
 - C 1500
 - D 15
- 14 While a class of students is learning about Hawaii in social studies, they are making paper-flower leis in art.



- If they use exactly 28 paper flowers for each lei, how many paper flowers do they need to make 8 leis?
- A 230
 - B 216
 - C 224
 - D 204
- 15 Greg and Jennifer made 64 cookies for a bake sale. They decorated each cookie with 10 sprinkles. How many sprinkles did they use to decorate all 64 cookies?
- A 640
 - B 6400
 - C 64,000
 - D 64

- 16 A garden club has 26 members. A local florist gave 12 flowers to each member of the garden club. How many flowers did the florist give to the garden club?
- A 78 flowers
 - B 38 flowers
 - C 302 flowers
 - D 312 flowers
- 17 Janice has some beads that she can divide equally among herself and four friends with no beads left over. Which could be the number of beads Janice has?
- A 64
 - B 53
 - C 45
 - D 41
- 18 A library has a large bookcase along one wall. Each shelf can hold 24 books.



- How many books will the bookcase hold altogether?
- A 576
 - B 384
 - C 480
 - D 240
- 19 Cindy, Zac, and Kyle went to a theme park together. They planned to take a total of 123 pictures. If each person took an equal number of pictures, how many did each person take?
- A 41
 - B 42
 - C 369
 - D 31

20 Candice wrote the following expression on a white board.

$$544 \div 4$$

Which of the following is equivalent to the expression on the white board?

- A $(54 \times 4) \div 4$
- B $(54 + 4) \div 4$
- C $(500 \times 40 \times 4) \div 4$
- D $(500 + 40 + 4) \div 4$

21 Nicole has 64 photos to put into a photo album. She wants to place 10 photos on each page. How many pages will be completely filled?

- A 4
- B 16
- C 14
- D 6

22 Directions: Click on each number you want to select. You must select all correct numbers.

Identify the common factors of 16 and 48.

1	4	8	24
2	6	16	48

23 A rule was used to make the pattern shown.

94, 87, 80, 73

Which could be the rule used to make the pattern?

- A Subtract 6
- B Divide by 7
- C Subtract 7
- D Add 7

24 Directions: Click on each list of numbers you want to select. You must choose all correct answers.

Which patterns of numbers follow a rule of adding 20?

240, 270, 300, 330, 360	120, 140, 160, 180, 200
310, 320, 330, 340, 350	30, 50, 70, 90, 110

25 **Glenda was making a quilt. She used $\frac{2}{3}$ of her fabric on Tuesday and $\frac{1}{3}$ of her fabric on Wednesday. How much more fabric did Glenda use on Tuesday?**

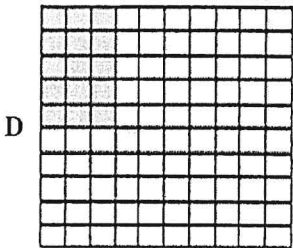
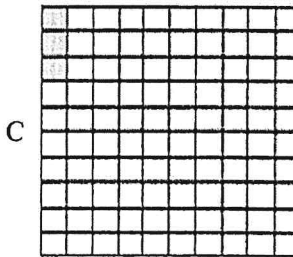
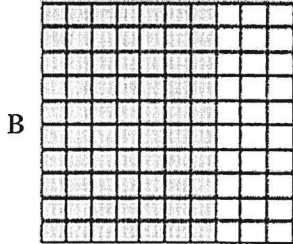
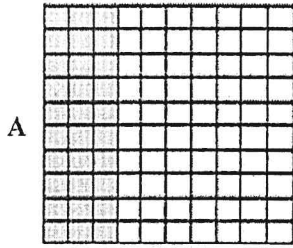
A 1

B $\frac{7}{12}$

C $\frac{5}{6}$

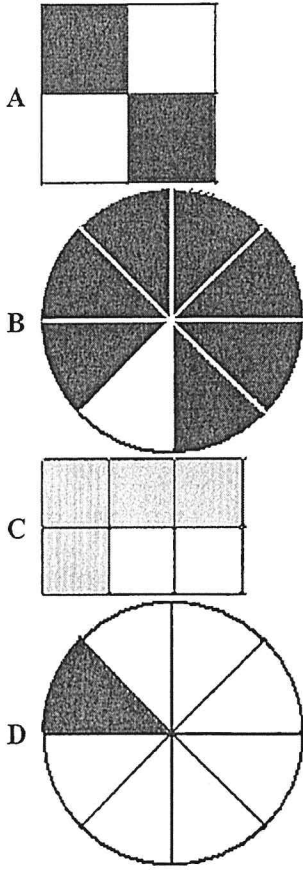
D $\frac{1}{3}$

Which decimal model is equivalent to $\frac{3}{10}$?



27

Which of the figures shows a value less than $\frac{1}{2}$?

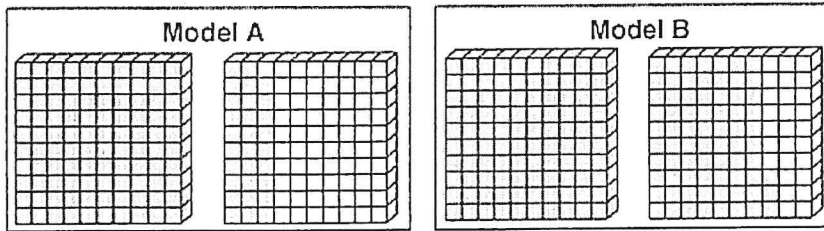


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Which of the following is equivalent to $\frac{4}{8}$?

- A $\frac{8}{4}$
- B $\frac{3}{8}$
- C $\frac{1}{2}$
- D $\frac{1}{8}$

29 Raúl is comparing the two models of numbers shown below.



If one large shaded square is equal to one, which number sentence correctly compares Model A to Model B?

- A $1.29 > 1.73$
- B $1.71 < 1.27$
- C $1.29 < 1.73$
- D $1.71 = 1.27$

30 How is the fraction $1\frac{5}{10}$ written as a decimal?

- A 0.015
- B 0.15
- C 1.5
- D 15.0

31 Denny rode his bicycle $2\frac{3}{10}$ miles in the morning. Then he rode $3\frac{4}{10}$ miles in the afternoon. How far did he ride his bicycle altogether?

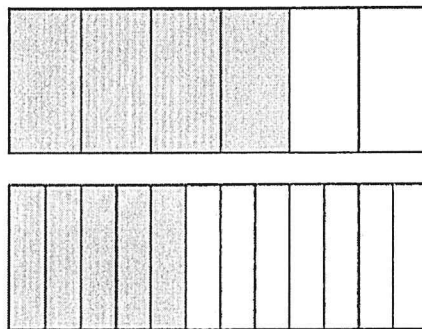
- A $1\frac{1}{10}$ miles
- B $3\frac{7}{10}$ miles
- C $5\frac{7}{20}$ miles
- D $5\frac{7}{10}$ miles

32 What is the difference?

$$\frac{5}{8} - \frac{2}{8} = \square$$

- A $\frac{1}{4}$
- B $\frac{3}{8}$
- C $\frac{1}{2}$
- D $\frac{7}{8}$

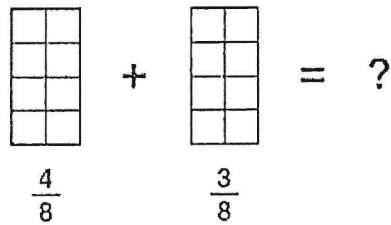
33 Two fraction models are shown below.



Which number sentence is true?

- A $\frac{2}{6} > \frac{7}{12}$
- B $\frac{4}{6} > \frac{5}{12}$
- C $\frac{4}{6} = \frac{5}{12}$
- D $\frac{5}{12} > \frac{4}{6}$

34 A fraction addition model is shown.



What is the sum of the two fractions?

- A $\frac{1}{8}$
- B $\frac{7}{16}$
- C $\frac{7}{8}$
- D $\frac{12}{8}$

35 Louis wrote a number sentence that compares two fractions. He has a missing number in one of the fractions.

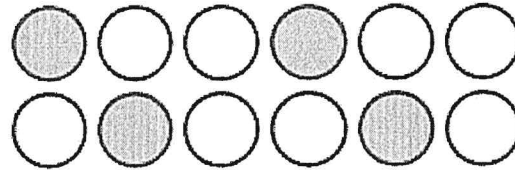
$$\frac{2}{3} = \frac{\square}{9}$$

What number can go in the box to make the number sentence true?

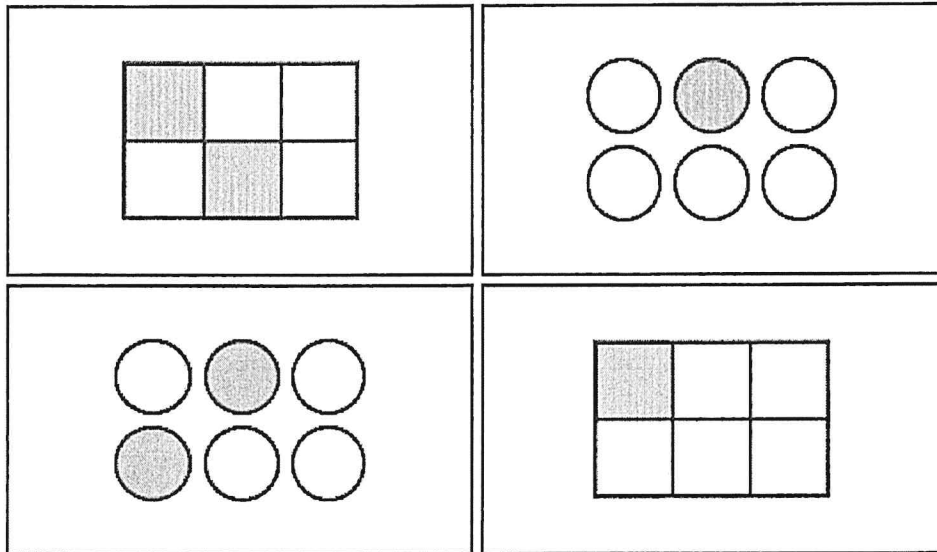
- A 4
- B 3
- C 6
- D 2

36 Directions: Click on each model you want to select. You must select all correct models.

The model shown below represents $\frac{4}{12}$.



Identify the models that represent a fraction equivalent to $\frac{4}{12}$.



37 Directions: Click on each equation you want to choose. You must choose all correct equations.

Choose each equation that is true.

$$\frac{7}{10} - \frac{5}{10} = \frac{2}{10}$$

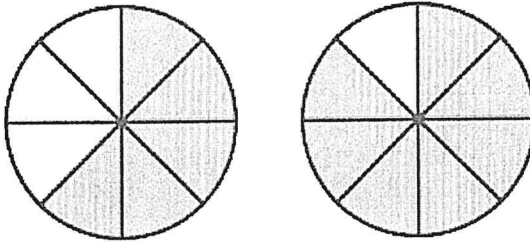
$$\frac{4}{5} - \frac{3}{5} = \frac{1}{10}$$

$$\frac{2}{4} - \frac{1}{4} = \frac{3}{8}$$

$$\frac{7}{8} - \frac{2}{8} = \frac{5}{8}$$

- 38 Directions: Click on each answer you want to choose. You must choose all correct answers.

Cameron drew the models shown below.



Which statements are true?

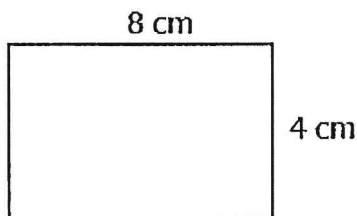
$\frac{7}{8}$ is greater than $\frac{5}{8}$
$\frac{5}{8}$ is greater than $\frac{7}{8}$
$\frac{5}{8}$ is less than $\frac{7}{8}$
$\frac{7}{8}$ is less than $\frac{5}{8}$

- 39 Directions: Type your answer in the box. Use "/" for the fraction bar.

Solve.

$$3 \frac{1}{6} + 4 \frac{4}{6}$$

- 40 **What is the perimeter of this rectangle?**



- A 20 cm
- B 12 cm
- C 24 cm
- D 32 cm

41 Kara has 8 apples. Gerald has 3 times as many apples as Kara. Which equation can be used to find the number of apples Gerald has?

A $8 + 3 = \square$

B $8 \times 3 = \square$

C $8 \times 8 \times 8 = \square$

D $3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 = \square$

42 Solve.

$$\begin{array}{r} 3\frac{1}{4} \\ + 1\frac{2}{4} \\ \hline \end{array}$$

A $4\frac{1}{2}$

B $5\frac{1}{2}$

C $4\frac{3}{4}$

D $5\frac{3}{4}$

43 If Jose had to choose the number with the greatest value, which of the following numbers would he choose?

A 0.50

B 0.53

C 0.35

D 0.05

44 Franklin has \$30 to spend on vintage magazines and books at a garage sale. If the magazines cost \$5 each and the books cost \$7 each, which combination is he able to afford?

A 5 magazines and 1 book

B 4 magazines and 2 books

C 3 magazines and 2 books

D 2 magazines and 3 books

45 How many inches are in one yard?

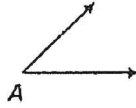
A 60 inches

B 36 inches

C 12 inches

D 3 inches

46 What type of angle is $\angle A$ below?



- A acute
- B right
- C obtuse
- D straight

47 Which number is a factor of 14?

- A 2
- B 4
- C 6
- D 8

48 Laura had $\frac{2}{4}$ of her pizza left and her sister had $\frac{1}{4}$ of hers left. How much leftover pizza did they have together?

- A $\frac{3}{8}$
- B 1
- C $\frac{1}{4}$
- D $\frac{3}{4}$

49 What is 674,400 rounded to the nearest hundred thousand?

- A 670,000
- B 700,000
- C 674,000
- D 600,000

50 Trevor spent \$2.50 for a slice of pizza and \$1.75 for french fries. He also bought cookies for \$1.25. How much money did he spend for lunch?

- A \$3.00
- B \$5.50
- C \$3.75
- D \$4.25