

Rising 4th Grade Summer Math Packet

Section A Multiple-Choice Questions

- 1 What is 7,429 in expanded form?
- Ⓐ $7 + 4 + 2 + 9$
 - Ⓑ $700 + 400 + 20 + 9$
 - Ⓒ $7,000 + 400 + 2 + 9$
 - Ⓓ $7,000 + 400 + 20 + 9$
- 2 Look for a pattern. What is the missing number?
- 1,740 1,840 1,940 _____ 2,140
- Ⓐ 1,950
 - Ⓑ 2,040
 - Ⓒ 2,240
 - Ⓓ 2,550
- 3 Which number makes the comparison true?
- $3,257 > \underline{\hspace{2cm}}$
- Ⓐ 2,375
 - Ⓑ 5,372
 - Ⓒ 3,572
 - Ⓓ 3,275

- 4 The cost of a cupboard is \$400, when rounded to the nearest hundred dollars. What is the greatest possible cost of the cupboard?

(A) \$351
(B) \$449
(C) \$450
(D) \$457
(E) \$499

- 5 What is the missing number?

$$\begin{array}{r} 3,674 \\ - \boxed{} \\ \hline 1,085 \end{array}$$

(A) 2,500
(B) 2,589
(C) 2,611
(D) 2,699

- 6 Claire has 40 pages in her scrapbook. She pasted 8 pictures on each page of her scrapbook. How many pictures did Claire use in all?

(A) 20
(B) 84
(C) 320
(D) 3,200

- 7 Victor used 6 oranges to make a glass of juice.
How many oranges did he use to make 9 glasses of juice?

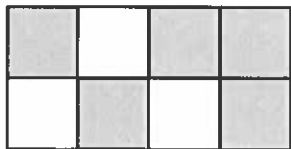
(A) 54
(B) 45
(C) 25
(D) 15

- 8 What is the missing number?

$$63 \div \boxed{?} = 3 \times 3$$

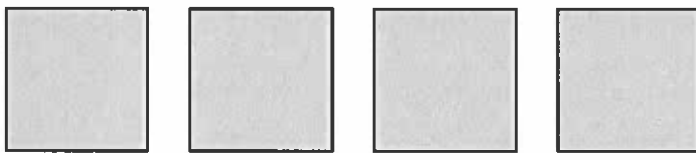
(A) 6
(B) 7
(C) 8
(D) 9

- 9 What fraction of the figure is shaded?



(A) $\frac{2}{8}$
(B) $\frac{3}{8}$
(C) $\frac{4}{8}$
(D) $\frac{5}{8}$

- 10 Maya is covering tables completely with 1-square foot tiles. Which table has an area of 36 square feet? Choose the **three** correct answers.
- (A) A square table with sides that measure 6 feet each.
 - (B) A rectangular table that is 3 feet wide and 12 feet long.
 - (C) A square table with sides that measure 9 feet each.
 - (D) A rectangular table that is 6 feet wide and 12 feet long.
 - (E) A rectangular table that is 9 feet long and 4 feet wide.
- 11 The mass of a packet of rice is 3,270 grams. What is the mass of the packet of rice in kilograms and grams?
- (A) 32 kilograms 70 grams
 - (B) 3 kilograms 270 grams
 - (C) 3 kilograms 720 grams
 - (D) 2 kilograms 370 grams
- 12 What is the fraction shown by the diagram below?

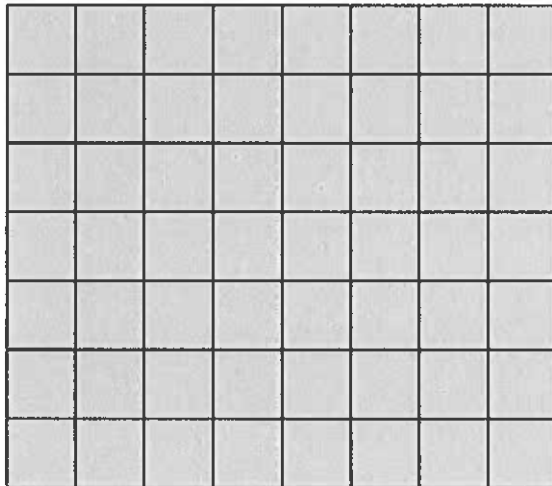


- (A) $\frac{1}{2}$
- (B) $\frac{1}{4}$
- (C) $\frac{3}{1}$
- (D) $\frac{4}{1}$

- 13 Jason is putting squares of fabric together to make a doll blanket. He sews three squares together to form a long rectangle. Each square has a side length of 3 inches. What is the perimeter of Jason's doll blanket?

- Ⓐ 12 inches
- Ⓑ 24 inches
- Ⓒ 27 inches
- Ⓓ 36 inches

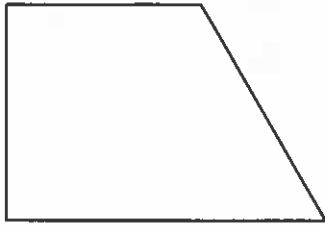
- 14 The area of each small square is a square unit. What is the area of the figure?



- Ⓐ 15 square units
- Ⓑ 36 square units
- Ⓒ 48 square units
- Ⓓ 56 square units

- 15 There are 12 eggs in a carton. Bradley bought 6 cartons of eggs. How many eggs did he buy in all?
- (A) 24
 - (B) 56
 - (C) 72
 - (D) 84
- 16 The difference between two numbers is 6,320. The lesser number is 564. What is the sum of the two numbers?
- (A) 7,448
 - (B) 6,884
 - (C) 6,184
 - (D) 5,820
- 17 There are 7 rows of chairs. Each row has 49 chairs. Which equation can you use to find the number of chairs in all?
- (A) $7 + 49 = 56$
 - (B) $49 \div 7 = 7$
 - (C) $49 \times 7 = 343$
 - (D) $49 - 7 = 42$

- 18 How many angles does this shape have?



- Ⓐ 1
 - Ⓑ 2
 - Ⓒ 3
 - Ⓓ 4
- 19 What are the missing numbers?
 $67 - 45 = 67 - 30 - \underline{\quad} - \underline{\quad}$
- Ⓐ 10 and 2
 - Ⓑ 10 and 5
 - Ⓒ 20 and 2
 - Ⓓ 20 and 5
- 20 Which shapes always have four right angles?
Choose the **two** correct answers.
- Ⓐ Hexagon
 - Ⓑ Square
 - Ⓒ Triangle
 - Ⓓ Pentagon
 - Ⓔ Rectangle

Section B Short Answer Questions

- 21 Use the digits to make the least 4-digit odd number.

6 9 3 4

Show your work and write your answer in the space below.

- 22 $2,467 - 1,289 =$

Write your answer in the answer grid.

⊙	⊙	⊙	⊙	⊙	⊙
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

- 23 Mariana used 260 grams of potatoes and had 1,450 grams of potatoes left. Find the total mass of the potatoes Mariana had at first. Give your answer in kilograms and grams.

Show your work and write your answer in the space below.

- 24 This question has two parts.

Part A

A computer costs \$2,050. It costs \$350 more than a washing machine. How much does the washing machine cost?

Write your answer in the answer grid.

\$					
•	•	•	•	•	•
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

Part B

How much do the computer and the washing machine cost in all?

Write your answer in the answer grid.

\$					
•	•	•	•	•	•
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

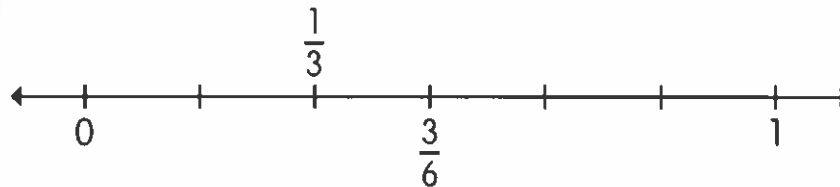
25 $7 \times 12 =$

Write your answer in the answer grid.

•	•	•	•	•	•
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

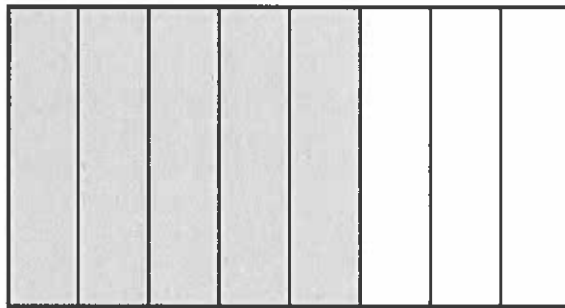
- 26 What fraction is equivalent to $\frac{1}{3}$?

Use the number line to help you explain your answer.



Write your answer and your work or explanation in the space below.

- 27 Yong says, " $\frac{3}{5}$ of the shape is not shaded because 3 parts are shaded and 5 parts are shaded."



Explain Yong's mistake.

Write your answer and your work or explanation in the space below.

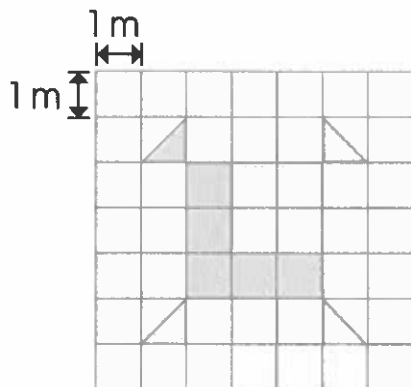
- 28 Compare the fractions. Write < or >.

$$\frac{3}{8} \bigcirc \frac{1}{8}$$

- 29 Write the answer in the blank using liters or milliliters.

The capacity of a pail is 5 _____.

- 30 What is the area of the figure? The figure is not drawn to scale.



Show your work and write your answer in the space below.

- 31 Emily uses square glass tiles to decorate the top of a box. She makes 3 rows of tiles. Each row has 8 tiles. Show the equation to find the area of the top of Emily's box, if the area of each tile is a square unit.

Show your work and write your answer in the space below.

- 32 The mass of a papaya is 1,200 grams.
What is its mass in kilograms and grams?

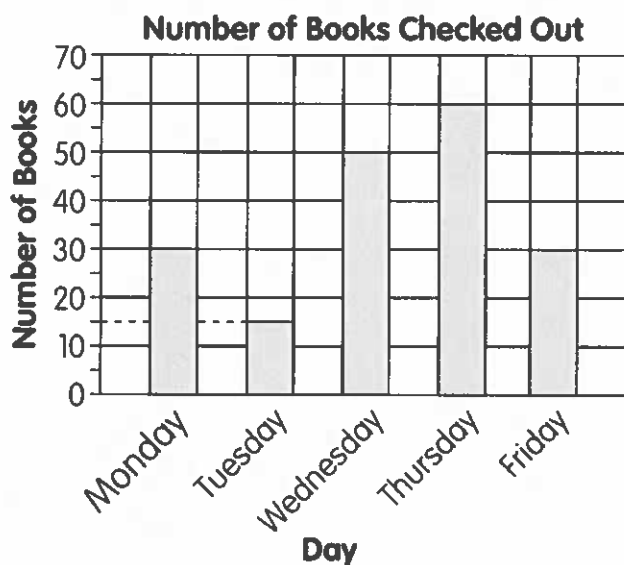
Show your work and write your answer in the space below.

- 33 Sara went to the fun fair from 1:30 P.M. to 3:30 P.M.
She said that she was at the fun fair for 120 minutes.
Is she correct? Explain.

Write your answer and your work or explanation in the space below.

- 34 This question has two parts.

The bar graph shows the number of books checked out of a library over 5 days.



Part A

How many books were checked out on Wednesday?

Write your answer in the answer grid.

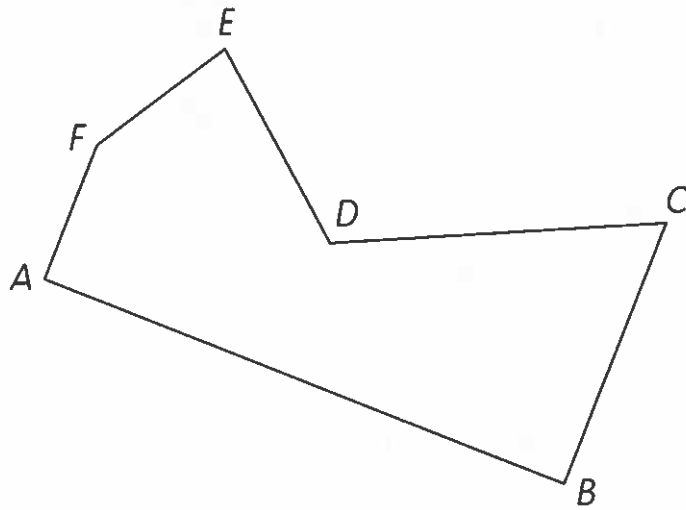
⊙	⊙	⊙	⊙	⊙	⊙
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

Part B

Write each answer in the blank.

The days on which the same number of books were checked out are _____ and _____.

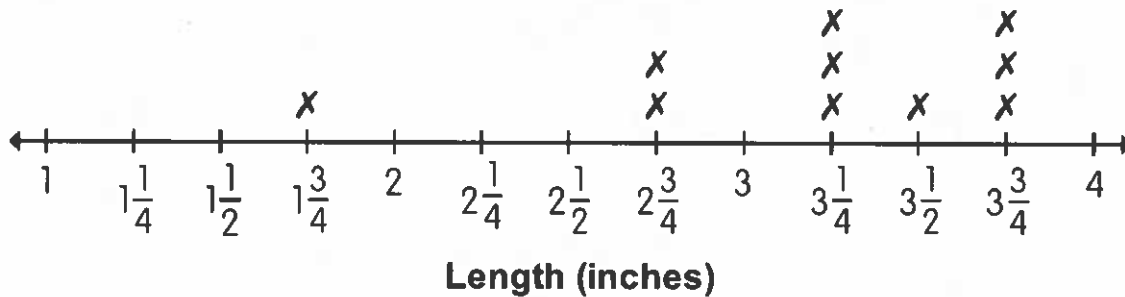
- 35 Look at the figure.



Joshua says, "There are four pairs of perpendicular line segments." Explain his mistake.

Write your explanation in the space below.

- 36 This question has two parts.
Some students measure the lengths of some ropes.
The ropes are measured to the nearest half inch or quarter inch.
They make a line plot to show the data.



Part A

Write the answer in the blank.

_____ ropes have a length of $3\frac{1}{4}$ inches or more.

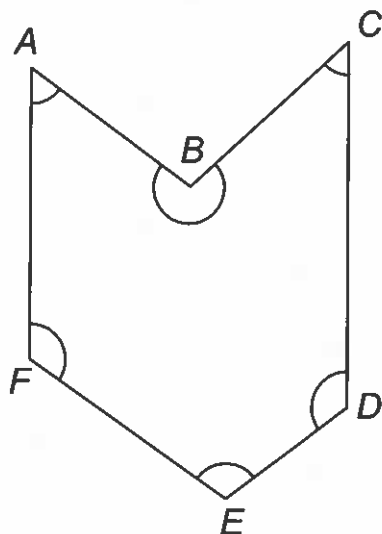
Part B

Write the answer in the blank.

The students measure _____ ropes in all.

- 37 Leah counted three angles that are each less than a right angle. Is she correct? Explain.

Write your answer and your work or explanation in the space below.



Section C Constructed Response

- 38 The adults and children in a neighborhood attended a carnival. The number of adults and the number of children are rounded to the nearest hundred. Their estimated difference is 200, and their estimated sum is 600.
- What are the two numbers rounded to the nearest hundred? Explain.
 - What are the least possible values of the two numbers?
 - What are the greatest possible values of the two numbers?

Write your answers and your work or explanation in the space below.

39 The mass of 6 similar coins in a box was 130 grams. When 2 of the coins were removed, the mass of the box of remaining coins became 106 grams.

- What was the mass of each coin?
- Find the mass of the box containing 10 similar coins.

Show your work and write your answers in the space below.

40 There are 50 ducks and sheep on a farm.

Each duck has 2 legs.

Each sheep has 4 legs.

The ducks and sheep have 140 legs in all.

- Does the farm have more ducks or sheep?
- How many more?
- Explain how you arrived at your answers.

Write your answers and your work or explanation in the space below.

- 41 Tank A contains 3 liters of water less than Tank B.
Logan pours 750 milliliters of water from Tank B into Tank A.
How much more water is there in Tank B than Tank A now?
Give your answer in liters and milliliters.

Show your work and write your answer in the space below.

- 42 The sum of Karina's age and Cole's age is 22 years last year.
Karina is 3 times as old as Cole now.
How old will Karina be in 2 years' time?

Show your work and write your answer in the space below.

IXL Recommendations:

*** These are not mandatory**

***Put the 3-digit code at the end Into the IXL search box for skill to pull up.**

- ☐ C.2 Round to the nearest ten or hundred Q65
- ☐ I.3 Add two numbers up to four digits: word problems CNN
- ☐ Subtract four-digit numbers: with regrouping GQC
- ☐ Subtract four-digit numbers: with regrouping GQC
- ☐ Multiply by one-digit numbers: with regrouping RFK
- ☐ BB.3 Two-step mixed operation word problems SRL
- ☐ KK.3 Graph and compare fractions on number lines 6H5
- ☐ Conversion tables - metric units 8NZ
- ☐ Compare area and perimeter of two figures PMF
- ☐ Time word problems: find the start, end, or elapsed time MNY
- ☐ VV.8 Interpret line plots YXD
- ☐ PP.2 Angles greater than, less than, or equal to a right angle 2YR