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Grade 4

Top 100 Word Problems

- 1 A school library has 2,345 story books and 1,876 non-fiction books. How many books does the library have in all?



- 2 A factory produced 7,850 boxes in March. In April, it produced 2,975 fewer boxes. How many boxes did it produce in April?



- 3 A farmer plants 128 rows of corn. Each row has 56 corn plants. How many corn plants does he plant in all?



- 4 A bakery made 8,736 cookies. It packs them equally in 24 boxes. How many cookies are there in each box?



- 5 A school has 985 students. They need to sit in groups of 8 for an activity. How many full groups can be made and how many students will be left out?



- 6 A toy store sold 3,248 toys on Monday, 4,315 toys on Tuesday, and 2,789 toys on Wednesday. How many toys did it sell in these three days?

Day	Toys Sold
Monday	3,248
Tuesday	4,315
Wednesday	2,789

- 7 Find the factors of 24.

24

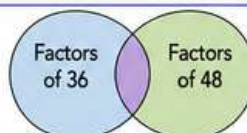
- 8 List the first five multiples of 7.

7

- 9 Is 57 a prime number or a composite number? Explain your answer.

57

- 10 What is the greatest common factor (GCF) of 36 and 48?



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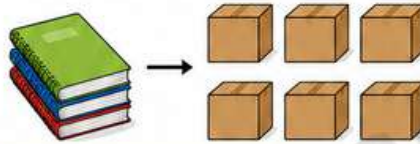
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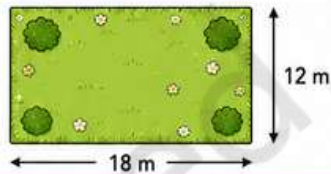
- 11** A bookstore sold 1,248 books in January and 2,367 books in February. How many more books did it sell in February than in January?



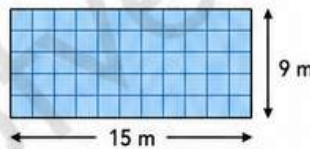
- 12** A school ordered 3,456 notebooks. The supplier delivered them in 6 equal boxes. How many notebooks are in each box?



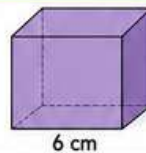
- 13** A garden is in the shape of a rectangle with a length of 18 meters and a width of 12 meters. What is the perimeter of the garden?



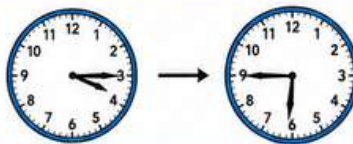
- 14** Find the area of a rectangle with a length of 15 meters and a width of 9 meters.



- 15** A box is in the shape of a cube with an edge length of 6 cm. What is the volume of the cube?



- 16** Riya started reading a book at 4:15 p.m. She finished reading it at 6:45 p.m. How much time did she spend reading the book?



- 17** A recipe needs 2.5 liters of milk. Neha has 1.75 liters of milk. How much more milk does she need?

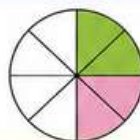


$$2.5 \text{ L} - 1.75 \text{ L} =$$

- 18** Convert 3 kilometers 250 meters into meters.

$$3 \text{ km} + 250 \text{ m} =$$

- 19** A sandwich is cut into 8 equal parts. Rohan eats 3 parts and his sister eats 2 parts. What fraction of the sandwich is left?



☐ Rohan
☐ Sister

- 20** A bag has 5.75 kg of rice. Another bag has 8.40 kg of rice. What is the total mass of rice in both bags?



+



=

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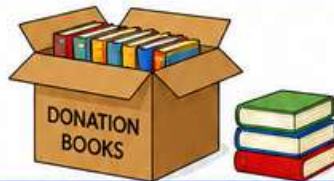
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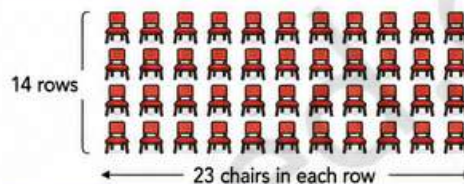
- 21 A train traveled 375 kilometers in the morning and 468 kilometers in the afternoon. How many kilometers did it travel in all?



- 22 A school collected 2,745 books for a donation drive. After donating 1,358 books, how many books were left?



- 23 A multiplication table has 14 rows with 23 chairs in each row. How many chairs are there in all?



- 24 A farmer harvested 1,296 kilograms of apples. He packed them in boxes that hold 18 kilograms each. How many boxes did he need?



- 25 Find the quotient and remainder when 785 is divided by 24.

$$24 \overline{) 785}$$

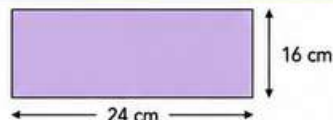
- 26 Arrange the following numbers from least to greatest.
5.67, 5.76, 5.6, 5.706



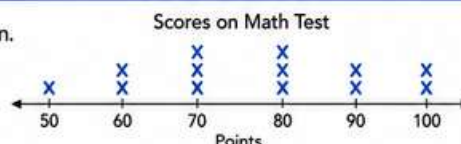
- 27 A book costs \$7.85 and a pen costs \$1.25. If Rohan gives the shopkeeper \$20.00, how much money will he get back?



- 28 A rectangle has a length of 24 cm and a width of 16 cm. What is its area?



- 29 Look at the line plot and answer the question.
How many students scored more than 75 points?



- 30 The table shows the number of bottles of water sold in a shop from Monday to Thursday. How many more bottles were sold on Thursday than on Monday?

Day	Bottles Sold
Monday	325
Tuesday	478
Wednesday	519
Thursday	684

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- 31 A city library had 4,620 books.
It bought 1,275 new books.
Then it removed 956 old books.
How many books does the library have now?



Books at first:	4,620
New books:	+ 1,275
Old books removed:	- 956
Books now:	?

- 32 A grocery store had 8 crates of oranges.
Each crate had 125 oranges.
It sold 642 oranges.
How many oranges are left?



- 33 Find the product of 346 and 27.

$$346 \times 27 = ?$$

- 34 A school bus can seat 48 students.
How many students can 6 such buses seat?



48 students
per bus

- 35 Divide 9,843 by 6.
What is the quotient and remainder?

$$6 \overline{) 9843}$$

- 36 Convert the following.
a) 3 meters 45 centimeters into centimeters
b) 2 kilograms 350 grams into grams
c) 5 liters 600 milliliters into milliliters

a) 3 m 45 cm

= _____ cm

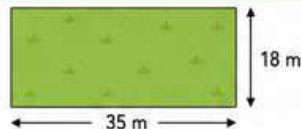
b) 2 kg 350 g

= _____ g

c) 5 L 600 mL

= _____ mL

- 37 A rectangular field has a length of 35 meters
and a width of 18 meters.
What is the perimeter of the field?



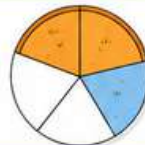
- 38 Compare the decimals using >, <, or =.
a) 7.58 _____ 7.85
b) 12.306 _____ 12.36
c) 3.7 _____ 3.70

a) 7.58 ○ 7.85

b) 12.306 ○ 12.36

c) 3.7 ○ 3.70

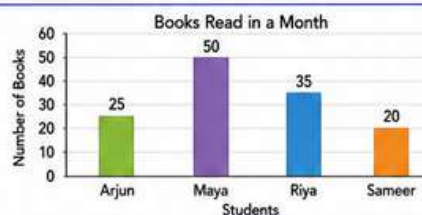
- 39 Rohan ate $\frac{2}{5}$ of a pizza and his sister ate $\frac{1}{5}$ of the same pizza.
What fraction of the pizza is left?



Orange Rohan ate $\frac{2}{5}$

Blue Sister ate $\frac{1}{5}$

- 40 The bar graph shows the number of books read by students in a month.
How many more books did Maya read than Arjun?



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- 41 A math class has 28 students. Each student needs 34 worksheet pages. How many worksheet pages are needed in all?



- 42 A shop had \$1,245 in the morning. It earned \$2,365 during the day and spent \$1,478 in the evening. How much money does the shop have now?



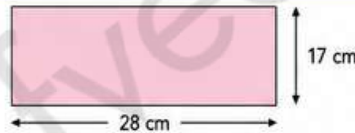
Money in the morning	\$1,245
Money earned	+ \$2,365
Money spent	- \$1,478
Money now	?

- 43 Find the least common multiple (LCM) of 6 and 8.

Multiples of 6:
6, 12, 18, 24, ...

Multiples of 8:
8, 16, 24, 32, ...

- 44 A rectangle has a length of 28 cm and a width of 17 cm. What is its area?



- 45 A jug contains 2.75 liters of water. If 1.35 liters of water is poured out, how much water is left in the jug?



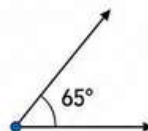
$$2.75 \text{ L} - 1.35 \text{ L} =$$

- 46 Meera reads 15 pages of a book each day. How many days will it take her to read a book that has 315 pages?



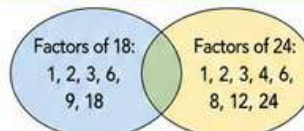
15 pages
per day

- 47 The angle below measures 65° . What type of angle is it?

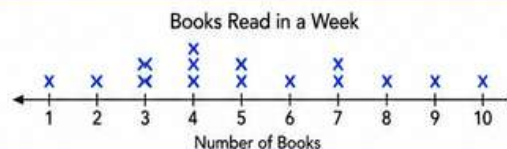


Types of angles:
• Acute angle: less than 90°
• Right angle: 90°
• Obtuse angle: greater than 90° but less than 180°
• Straight angle: 180°

- 48 What is the greatest common factor (GCF) of 18 and 24?



- 49 The line plot shows the number of books read by students in a week. How many students read more than 6 books?



- 50 The table shows the number of goals scored by a soccer team in four matches. How many more goals were scored in Match 4 than in Match 2?

Match	1	2	3	4
Goals Scored	3	2	5	7

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- 51 A company produced 5,678 pencils in one week and 3,945 pencils in the next week. How many pencils did it produce in the two weeks?



- 52 A school has 7,832 crayons. If the crayons are packed in boxes of 24 crayons each, how many full boxes can be made and how many crayons will be left?



Full boxes = _____
Crayons left = _____

- 53 A recipe needs \$3.45 of sugar. Rohan has \$7.80. How much more sugar can he buy with the money he has left after buying the sugar for the recipe?



- 54 Arrange the following fractions from least to greatest.

$\frac{3}{8}, \frac{1}{2}, \frac{5}{8}, \frac{1}{4}$

$\frac{3}{8}$

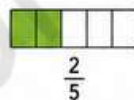
$\frac{1}{2}$

$\frac{5}{8}$

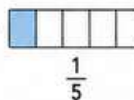
$\frac{1}{4}$

_____, _____, _____, _____

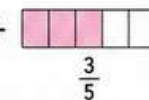
- 55 Add the following fractions.
 $\frac{2}{5} + \frac{1}{5} + \frac{3}{5} = ?$



+



+

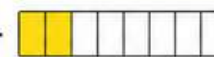


=

- 56 Subtract the following fractions.
 $\frac{7}{9} - \frac{2}{9} = ?$

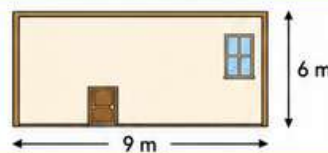


-



=

- 57 A room is in the shape of a rectangle with a length of 9 meters and a width of 6 meters. What is the perimeter of the room?



- 58 Convert 2 meters 35 centimeters into centimeters.

2 m

+

35 cm

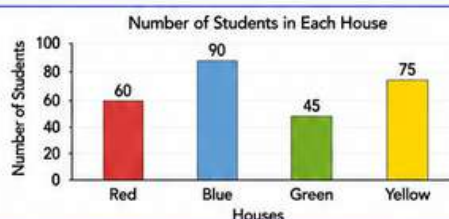
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- 59 A tank can hold 1,250 liters of water. It is filled with 875 liters of water. How many more liters of water are needed to fill the tank completely?



Water in tank
875 L

- 60 The bar graph shows the number of students in different houses. Which house has the most students and how many more students does it have than the house with the least students?



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- 61 A factory packed 1,875 pens in the morning and 2,349 pens in the afternoon. If 1,286 pens were shipped out, how many pens are left in the factory?



- 62 Find the product of 428 and 36.

$$428 \times 36 = ?$$

- 63 Divide 7,689 by 15.
What is the quotient and what is the remainder?

$$15 \overline{) 7689}$$

- 64 A number has factors 1, 2, 4, 7, 14.
What is the number?
Is it a prime number or a composite number?

Factors:
1, 2, 4, 7, 14

- 65 A rope is 24.75 meters long. Another piece of rope is 18.50 meters long.
What is the total length of the rope?



$$\begin{array}{r} 24.75 \text{ m} \\ + 18.50 \text{ m} \\ = \underline{\hspace{1cm}} \text{ m} \end{array}$$

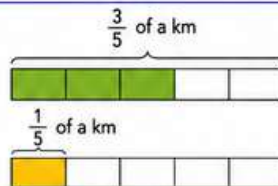
- 66 Compare the decimals using >, <, or =.
a) 4.672 _____ 4.627
b) 9.08 _____ 9.8
c) 2.305 _____ 2.35

a) 4.672 4.627

b) 9.08 9.8

c) 2.305 2.35

- 67 Ravi walked $\frac{3}{5}$ of a kilometer in the morning and $\frac{1}{5}$ of a kilometer in the evening. What fraction of a kilometer did he walk in all?



Total
= _____ of
a kilometer

- 68 The perimeter of a square garden is 36 meters. What is the length of one side of the garden?



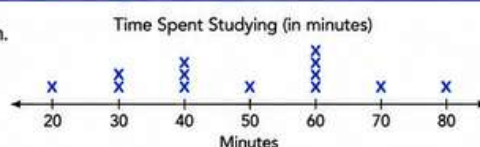
Perimeter
= 36 m

- 69 A container can hold 2.8 liters of juice. If 1.45 liters of juice is already in the container, how much more juice can it hold?



$$\begin{array}{r} 2.8 \text{ L} \\ - 1.45 \text{ L} \\ = \underline{\hspace{1cm}} \text{ L} \end{array}$$

- 70 Look at the line plot and answer the question.
How many students spent less than 50 minutes studying?



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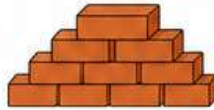


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71

A construction company needs 3,785 bricks for a wall.
It already has 1,950 bricks.
How many more bricks does it need to buy?



Bricks needed	
Total needed	3,785
Bricks in hand	- 1,950
More bricks needed	= ?

72

Find the value of the following expression.
 $(637 + 248) - 375 + 129 = ?$

$$(637 + 248) - 375 + 129 = ?$$

73

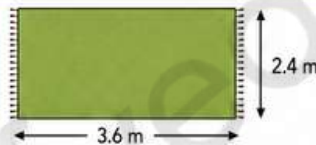
Find the least common multiple (LCM) of 12 and 18.

Multiples of 12:
12, 24, 36, 48, 60,
72, 84, ...

Multiples of 18:
18, 36, 54, 72, 90,
108, ...

74

A rectangular carpet has a length of 3.6 meters and a width of 2.4 meters.
What is the area of the carpet?



75

Riya has \$12.50. She buys a notebook for \$3.75 and a pack of pencils for \$2.60.
How much money does she have left?



\$3.75

\$2.60

\$12.50

76

Order the following decimals from greatest to least.
4.85, 4.508, 4.58, 4.805

4.85

4.508

4.58

4.805

_____ > _____ > _____ > _____

77

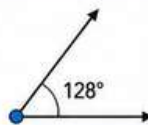
A tank contains 3.72 liters of oil.
If 1.48 liters of oil is used,
how much oil is left in the tank?



$$\begin{array}{r} 3.72 \text{ L} \\ - 1.48 \text{ L} \\ \hline = \text{ } \text{ L} \end{array}$$

78

The measure of an angle is 128° .
What type of angle is it?



Types of angles:

- Acute: less than 90°
- Right: exactly 90°
- Obtuse: greater than 90° but less than 180°
- Straight: exactly 180°

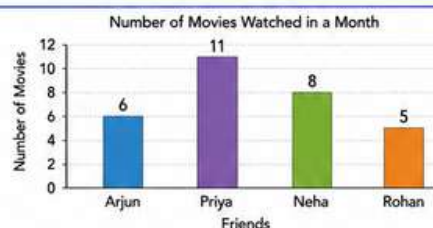
79

The table shows the number of apples sold in a shop in five days.
On which day were the most apples sold and how many apples were sold on that day?

Day	Apples Sold
Monday	425
Tuesday	618
Wednesday	507
Thursday	732
Friday	689

80

The bar graph shows the number of movies watched by a group of friends in one month. How many more movies did Priya watch than Arjun?



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- 81** A bakery made 3,256 cookies on Monday and 2,897 cookies on Tuesday. It sold 4,125 cookies in two days. How many cookies are left?



Cookies on Monday	3,256
Cookies on Tuesday	+ 2,897
Total cookies made	6,153
Cookies sold	- 4,125
Cookies left	= ?

- 82** Find the quotient and remainder when 9,652 is divided by 27.

$$27 \overline{) 9652}$$

- 83** The factors of two numbers are given below. Find their greatest common factor (GCF).

Factors of 16:
1, 2, 4, 8, 16

Factors of 20:
1, 2, 4, 5, 10, 20

- 84** Meena has \$18.75. She buys a toy car for \$7.45 and a storybook for \$5.80. How much money does she have left?



Meena has
\$18.75

\$7.45

\$5.80

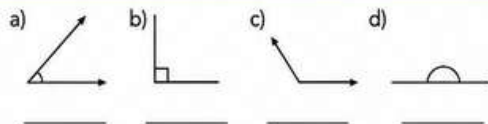
- 85** Add the decimals.
 $12.45 + 8.7 + 3.265 = ?$

$$12.45 + 8.7 + 3.265 = ?$$

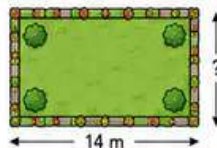
- 86** Ramesh walks 2.45 km to school and 1.85 km back home. How many kilometers does he walk in all?



- 87** Classify each angle as acute, right, obtuse, or straight.

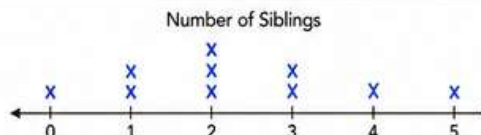


- 88** The perimeter of a rectangular garden is 48 meters. The length of the garden is 14 meters. What is the width?



Perimeter = 48 m
Length = 14 m
Width = ?

- 89** The line plot shows the number of siblings each student has. How many students have 2 or more siblings?



- 90** The table shows the number of minutes four students spent reading in a day. Who spent the most time reading and how many more minutes did they spend than the student who spent the least time?

Student	Minutes Spent Reading
Aisha	45
Ben	70
Cara	55
Dev	30

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- 91** A library has 4,560 story books and 2,138 science books.
If 1,245 books are borrowed,
how many books are left in
the library?

Story Books
4,560

Science Books
2,138

Story books	4,560
Science books	+ 2,138
Total books	6,698
Borrowed books	- 1,245
Books left	= ?

- 92** Find the value of the expression.
 $(745 - 278) + (362 - 159) = ?$

$$(745 - 278) + (362 - 159) = ?$$

- 93** Find the least common multiple (LCM)
of 15 and 20.

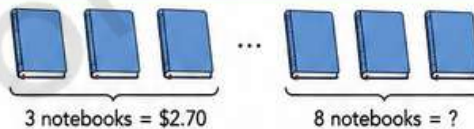
Multiples of 15:
15, 30, 45, 60,
75, 90, 105, 120, ...

Multiples of 20:
20, 40, 60, 80,
100, 120, 140, ...

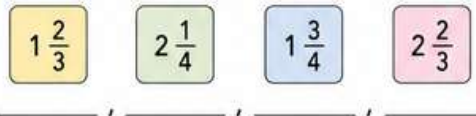
- 94** A rectangular field is 125 meters long
and 80 meters wide.
What is the perimeter of the field?



- 95** A shop sells 3 notebooks for \$2.70.
How much will 8 notebooks cost?



- 96** Arrange the following mixed numbers
from least to greatest.



- 97** A jug contains 5.6 liters of milk.
If 2.35 liters of milk is used,
how much milk is left in the jug?



$$\begin{array}{r} 5.6 \text{ L} \\ - 2.35 \text{ L} \\ \hline = \text{ } \text{ L} \end{array}$$

- 98** The angle below measures 145° .
What type of angle is it?



Types of angles:
• Acute: less than 90°
• Right: exactly 90°
• Obtuse: greater than 90°
but less than 180°
• Straight: exactly 180°

- 99** The line plot shows the number of
hours students slept last night.
How many students slept less than
7 hours?



- 100** The table shows the runs scored
by a cricket team in five matches.
In how many matches did the team
score more than 150 runs?

Match	1	2	3	4	5
Runs Scored	120	168	145	187	132

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