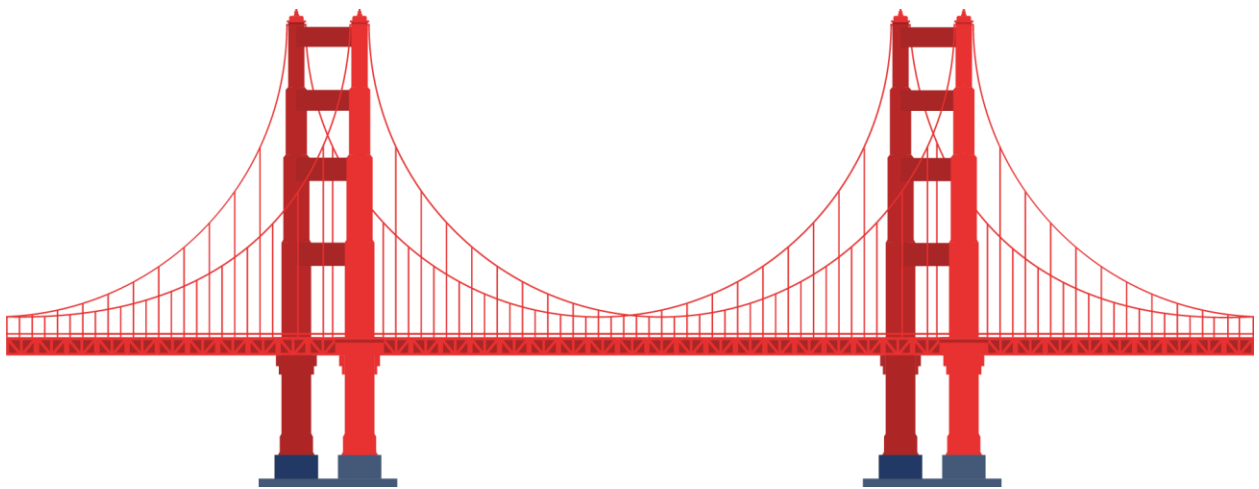


Bridge to 5th Grade

Answer Key



Summer Math Homework



Monday

1) $\frac{1}{10} + \frac{51}{100} =$

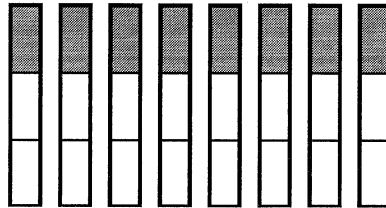
2) Fill in the blank to complete the pattern.

$$\frac{1}{4} = \frac{2}{8} = \frac{3}{12} = \frac{4}{16} = \underline{\quad} = \frac{6}{24}$$

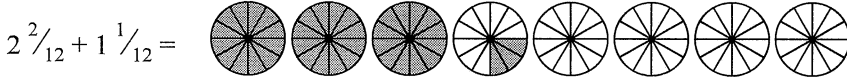
3) Use $<$, $>$ or $=$ to compare.

$$\frac{3}{4} > \frac{2}{6}$$

4) $\frac{1}{3} \times 9 =$

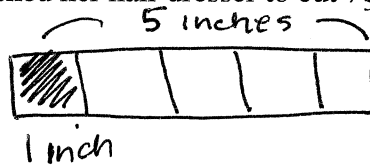


5) Use the visual model to solve.

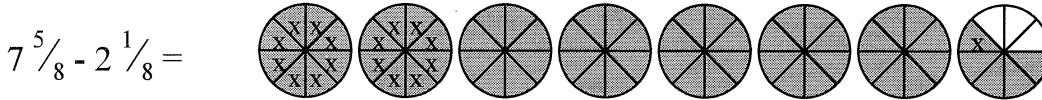


6) Ned's hair was originally 5 inches long. He asked her hair dresser to cut $\frac{1}{5}$ of it off. How many inches did he have cut off?

$$5 \times \frac{1}{5} = \frac{5}{5} = 1$$



7) Use the visual model to solve.



8) Bianca bought a bamboo plant that was $3\frac{1}{7}$ feet high. After a month it had grown another $5\frac{1}{7}$ feet. What was the total height of the plant after a month? Answer as a mixed number.

$$3\frac{1}{7} + 5\frac{1}{7} = 8\frac{2}{7}$$

Answers

1.	$\frac{61}{100}$	4N1D
2.	$\frac{5}{20}$	4N1I
3.	$>$	4N1Z
4.	$\frac{9}{3}$	4N14B
5.	$3\frac{3}{12}$	4N13C
6.	1	4N14C
7.	$5\frac{4}{8}$	4N13C
8.	$8\frac{2}{7}$	4N13D

of means multiply
 $\frac{1}{5}$ of 5 is
 $\frac{1}{5} \times 5$



Solve each problem.

1)
$$\begin{array}{r} 4 \\ \times 3 \\ \hline 12 \end{array}$$

2)
$$\begin{array}{r} 6 \\ \times 5 \\ \hline 30 \end{array}$$

3)
$$\begin{array}{r} 6 \\ \times 7 \\ \hline 42 \end{array}$$

4)
$$\begin{array}{r} 6 \\ \times 7 \\ \hline 42 \end{array}$$

5)
$$\begin{array}{r} 6 \\ \times 8 \\ \hline 48 \end{array}$$

6)
$$\begin{array}{r} 7 \\ \times 5 \\ \hline 35 \end{array}$$

7)
$$\begin{array}{r} 7 \\ \times 6 \\ \hline 42 \end{array}$$

8)
$$\begin{array}{r} 8 \\ \times 6 \\ \hline 48 \end{array}$$

9)
$$\begin{array}{r} 8 \\ \times 8 \\ \hline 64 \end{array}$$

10)
$$\begin{array}{r} 9 \\ \times 7 \\ \hline 63 \end{array}$$

11) $12 \div 2 = \underline{6}$

12) $12 \div 6 = \underline{2}$

13) $14 \div 2 = \underline{7}$

14) $15 \div 3 = \underline{5}$

15) $30 \div 5 = \underline{6}$

16) $35 \div 7 = \underline{5}$

17) $6 \div 6 = \underline{1}$

18) $72 \div 9 = \underline{8}$

19) $8 \div 1 = \underline{8}$

20) $8 \div 8 = \underline{1}$

Answers1. 122. 303. 424. 425. 486. 357. 428. 489. 6410. 6311. 612. 213. 714. 515. 616. 517. 118. 819. 820. 1



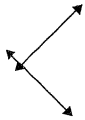
Tuesday

1) Find the next number in the pattern.
4, 11, 18, 25, 32, 39, 46

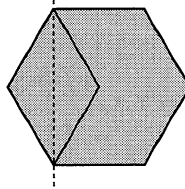
2) Is the angle 'more', 'less' or equal to 90°.



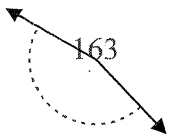
3) Use 'parallel', 'perp' (perpendicular) and 'inter' (intersecting) to describe the lines.



4) Determine if the line through the figure is a line of symmetry (yes/no).

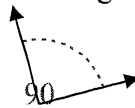


5) Is the angle shown acute, obtuse, right or straight?

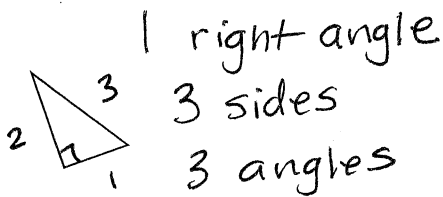


acute < 90°
obtuse > 90°
right = 90°

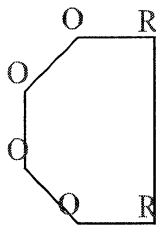
6) Is the angle shown acute, obtuse, right or straight?



7) Is the shape shown a right triangle (yes/no)?



8) How many acute, obtuse and right angles are in the shape?



9) At a potato chip factory there were 50 machines working with each machine able to produce 80 chips a minute. If this is enough potato chips to fill 8 shipping boxes, how many chips are there per box?

80 x 50 = 4000

4000 ÷ 8 = 500

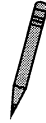
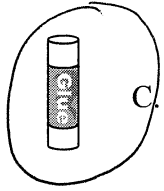
Answers

- 1. 46
- 2. less
- 3. perp & inter
- 4. no
- 5. obtuse
- 6. right
- 7. yes
- 8. 0 4 2
- 9. 500
- 10. B



10) Which choice best completes the pattern?

Two of each





Wednesday

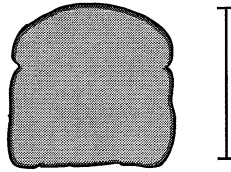
- 1) Compare using $<$, $>$ or $=$.
5,647 grams $>$ 2 kilograms

1000 grams = 1 kilogram

5000 grams = 5 kilograms

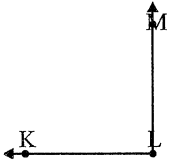
5,000g $>$ 2 kg

2)



- Slice of Bread
A. 2 yards B. 4 inches
C. 4 feet D. 10 inches

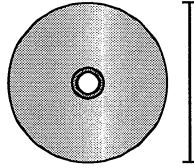
3)



Which choice best represents $\angle KLM$?

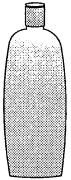
- A. 90° B. 159°
C. 137° D. 0°

4)



- DVD
A. 1 pound B. 0.6 ounce
C. 2.5 pounds D. 16 ounces

5)



Shampoo in a bottle

- A. 0.5 Gallon
B. 2 Pints
C. 2 Yards
D. 1 cup

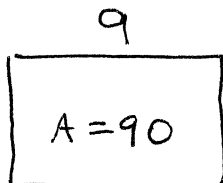
6)

<u>Olivia's Office Supplies</u>	
Box of pens	\$4.34
Pack of pencils	\$1.78
Paper	\$3.19
Fasteners	\$2.11
Total: \$11.42	

If you paid for the items above with a 20 dollar bill, how much change would you receive?

- 7) Which choice best represents the height of an adult elephant?
A. 4 centimeters B. 4 meters C. 4 millimeters D. 4 kilometers

- 8) A bathroom had a length of 9 feet and a total area of 90 ft^2 . What is the width of the bathroom?



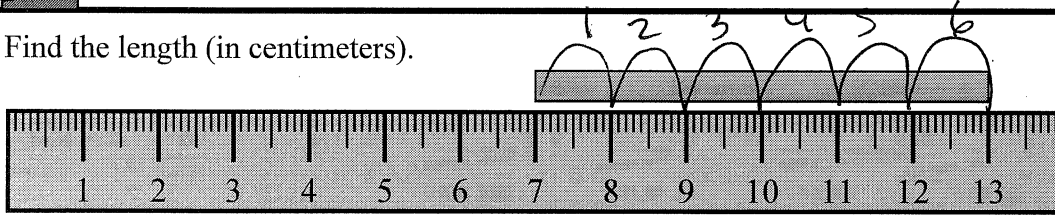
length \times width = Area
 $9 \times ? = 90$
 $? = 10$

Answers

- | | | |
|-----|---------------|------|
| 1. | $>$ | 4mD1 |
| 2. | B | 4mD1 |
| 3. | A | 4mD3 |
| 4. | B | 4mD1 |
| 5. | B | 4mD1 |
| 6. | \$8.58 | 4mD2 |
| 7. | B | 4mD1 |
| 8. | 10 ft | 4mD3 |
| 9. | 6 cm | 4mD1 |
| 10. | | 4mD4 |

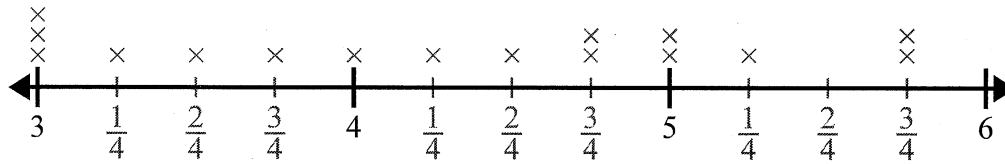


9) Find the length (in centimeters).



10) Create and label the line plot using the set of numbers provided.

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





Thursday

$$\begin{array}{r} 1) \quad 1,453 \\ \times \quad 9 \\ \hline 13,077 \end{array}$$

$$\begin{array}{r} 2) \quad 9,715 \\ -9,534 \\ \hline 181 \end{array}$$

$$\begin{array}{r} 3) \quad 6,093 \\ + \quad 4,576 \\ \hline 10,669 \end{array}$$

$$\begin{array}{r} 4) \quad 81 \\ \times \quad 87 \\ \hline 567 \\ +6,480 \\ \hline 7,047 \end{array}$$

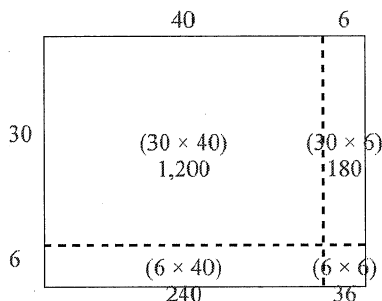
$$\begin{array}{r} 5) \quad 240r2 \\ 3 \overline{)722} \\ \underline{6} \\ 12 \\ \underline{12} \\ 02 \\ \underline{0} \\ 2 \end{array}$$

$$6) \quad 10 \times 80 = \underline{800}$$

7) Round 19,124 to the nearest hundred.

$$\begin{array}{r} 19, \underline{1}24 \\ \hline 19,100 \end{array}$$

8) Use the visual model to solve. $36 \times 46 =$



9) Write in expanded form: 40,812

$$\underline{40,000 + 800 + 10 + 2}$$

10) Write as a numeral:

$$700,000 + 80,000 + 6,000 + 100 + 40 + 2$$

Answers

- 1. 13,077 4n013
- 2. 181 4n014
- 3. 10,669 4n014
- 4. 7,047 4n013
- 5. 240 r2 4n016
- 6. 800 4n011
- 7. 19,100 4n013
- 8. 1,656 4n013
- 9. Use Line 4n012
- 10. 786,142 4n017



Friday

1) 9 times as many as 8 is 72.

2) (true / false) 14 is a multiple of 7.

3) Determine if the number 15 is a multiple of 2, 3, 5, 6, 9, 10 or 'none'.

4) Is 89 a Prime(P) or a Composite(C) number? *Check if it can be divided by 3, 5, 7, 9.*

Not even so we know it can't be divided by 2

6) Which choice is a factor of 46?

- A. 14
- B. 10
- C. 4
- D. 46

$46 \div 4 = 11 R 2$ $46 \div 46 = 1$
 $46 \div 10 = 4 R 6$ $46 \div 14 = 3 R 4$

5) Determine which numbers best complete the pattern below.

44	53	62	71	80	?	?
----	----	----	----	----	---	---

7) Which number is a factor of 15, but not a multiple of 3?

- A. 5
- C. 8

B. 4 *Factor of 15* 1, 3, 5, 15
 D. 6 *Multiples of* 3, 6, 9, 12, 15

8) It takes Frank two oranges to make a small glass of orange juice. He uses three times as many for a large glass. How many oranges does he use for a large glass?

$2 \times 3 = 6$

9) A library checks out forty books each day. How many books would they have checked out after twenty-nine days?

$40 \times 29 = 1,160$

10) Over the course of 10 weeks Haley collected 20 pounds of cans to recycle and George collected 3 times as much as Haley. George then put his collection into 4 bags to take to the recycling center. How many pounds of cans did George put into each bag?

20 Haley

20×3 George = 60

$60 \div 4 = 15$

$$\begin{array}{r} 3 \\ \times 29 \\ \hline 40 \\ 1160 \\ \hline 1,160 \end{array}$$

Answers

1. 72
2. true
3. 3,5
4. P
5. 89, 98
6. D
7. A
8. 6
9. 1,160
10. 15



Monday

1) $\frac{56}{100} + \frac{3}{10} =$

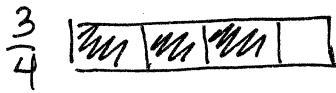
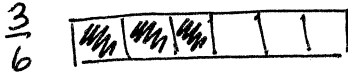
$$\frac{56}{100} + \frac{30}{100} = \frac{86}{100}$$

2) Fill in the blank to complete the pattern.

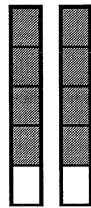
$$\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8} = \frac{5}{10} = \frac{6}{12}$$

3) Use $<$, $>$ or $=$ to compare.

$$\frac{3}{6} < \frac{3}{4}$$

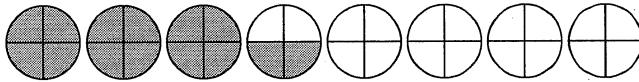


4) $\frac{4}{5} \times 2 =$



5) Use the visual model to solve.

$$1 \frac{1}{4} + 2 \frac{1}{4} =$$

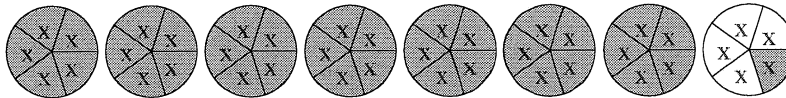


6) Each day a company used $\frac{10}{12}$ of a box of paper. How many boxes would they have used after 5 days?

$$\frac{10}{12} + \frac{10}{12} + \frac{10}{12} + \frac{10}{12} + \frac{10}{12} = \frac{50}{12} = 4 \frac{2}{12}$$

7) Use the visual model to solve.

$$7 \frac{1}{5} - 5 \frac{1}{5} =$$



8) Isabel's new puppy weighed $3 \frac{7}{10}$ pounds. After a month it had gained $6 \frac{8}{10}$ pounds. What is the weight of the puppy after a month? Answer as a mixed number.

$$6 \frac{8}{10} + 3 \frac{7}{10} = 9 \frac{15}{10} = 10 \frac{5}{10}$$

Answers

- | | | |
|----|-------------------|-------|
| 1. | $\frac{86}{100}$ | 4N1D |
| 2. | $\frac{6}{12}$ | 4N1I |
| 3. | $<$ | 4N1Z |
| 4. | $\frac{8}{5}$ | 4N14B |
| 5. | $3 \frac{2}{4}$ | 4N13C |
| 6. | $4 \frac{2}{12}$ | 4N14C |
| 7. | 2 | 4N13C |
| 8. | $10 \frac{5}{10}$ | 4N13D |



Solve each problem.

1)
$$\begin{array}{r} 6 \\ \times 4 \\ \hline 24 \end{array}$$

2)
$$\begin{array}{r} 6 \\ \times 4 \\ \hline 24 \end{array}$$

3)
$$\begin{array}{r} 6 \\ \times 8 \\ \hline 48 \end{array}$$

4)
$$\begin{array}{r} 6 \\ \times 7 \\ \hline 42 \end{array}$$

5)
$$\begin{array}{r} 6 \\ \times 8 \\ \hline 48 \end{array}$$

6)
$$\begin{array}{r} 7 \\ \times 1 \\ \hline 7 \end{array}$$

7)
$$\begin{array}{r} 7 \\ \times 2 \\ \hline 14 \end{array}$$

8)
$$\begin{array}{r} 7 \\ \times 8 \\ \hline 56 \end{array}$$

9)
$$\begin{array}{r} 4 \\ \times 5 \\ \hline 20 \end{array}$$

10)
$$\begin{array}{r} 8 \\ \times 5 \\ \hline 40 \end{array}$$

11) $28 \div 7 = \underline{4}$

12) $24 \div 8 = \underline{3}$

13) $30 \div 5 = \underline{6}$

14) $45 \div 5 = \underline{9}$

15) $27 \div 9 = \underline{3}$

16) $54 \div 9 = \underline{6}$

17) $45 \div 9 = \underline{5}$

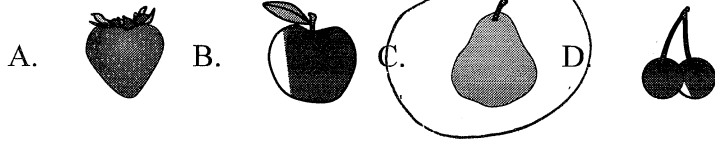
18) $48 \div 8 = \underline{6}$

19) $21 \div 3 = \underline{7}$

20) $56 \div 8 = \underline{7}$



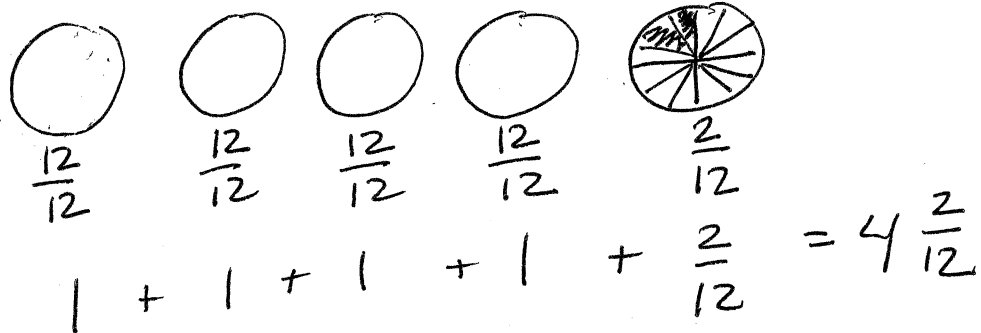
10) Which choice best completes the pattern?



Remember how to change an improper fraction to a mixed number.

Change $\frac{50}{12}$

visual



Easier Way

$$\frac{50}{12} = 50 \div 12$$

$$\begin{array}{r} 4 \text{ R}2 \\ 12 \overline{)50} \\ \underline{48} \\ 2 \end{array}$$

Put the remainder over the divisor

$$4 \frac{2}{12}$$



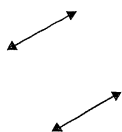
Tuesday

1) Find the next number in the pattern.
10, 14, 18, 22, 26

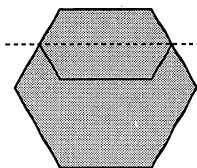
2) Is the angle 'more', 'less' or equal to 90° .



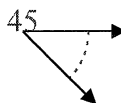
3) Use 'parallel', 'perp' (perpendicular) and 'inter' (intersecting) to describe the lines.



4) Determine if the line through the figure is a line of symmetry (yes/no).



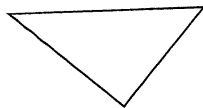
5) Is the angle shown acute, obtuse, right or straight?



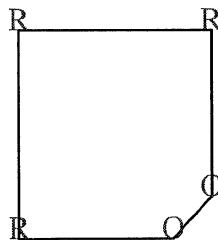
6) Is the angle shown acute, obtuse, right or straight?



7) Is the shape shown a right triangle (yes/no)?



8) How many acute, obtuse and right angles are in the shape?

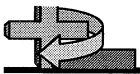


9) A music teacher had 2 recorders, but she decided to buy 4 more boxes with each box having 3 recorders in it. How many recorders did she have after buying the 4 boxes?

$$2 + (4 \times 3) = 2 + 12 = 14$$

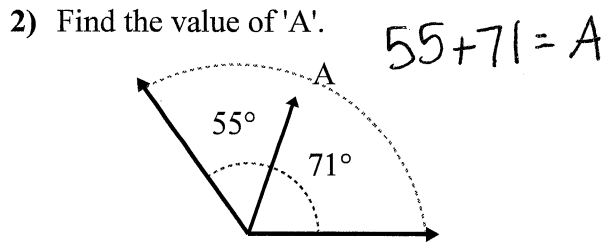
Answers



1. 26
2. less
3. parallel
4. no
5. acute
6. acute
7. yes
8. 0 2 3
9. 14
10. C

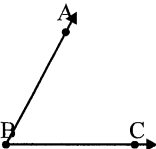



Wednesday

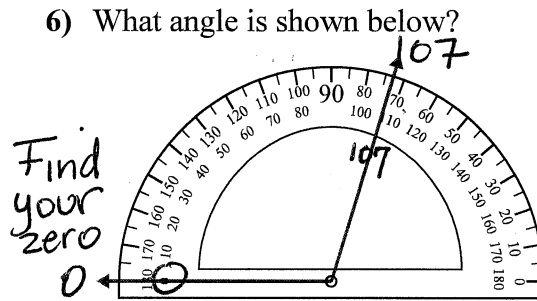
- 1) Compare using $<$, $>$ or $=$.
 7,382 grams $<$ 8 kilograms




- 3)  
- Vacuum
 A. 30 centimeters B. 35 centimeters
 C. 3 meters D. 120 centimeters

- 4) 
- Which choice best represents $\angle ABC$?
 A. 87° B. 15°
 C. 62° D. 109°

- 5) 
- Candle
 A. 20 pounds B. 1 pound
 C. 16 ounces D. 0.2 ounces



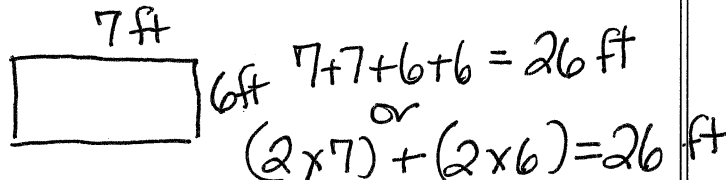
- 7) 
- Ink in a pen
 A. Less than a Cup
 B. 2 Pints
 C. 1 Gallon
 D. 1 Quart

8)

Organic Fruits	
Apples	\$1.80
Oranges	\$1.34
Pears	\$4.99
Total: \$8.13	

If you paid for the items above with a 20 dollar bill, how much change would you receive?

- 9) A piece of plywood was cut so its length was 7 feet by 6 feet. What is the perimeter of the wood?



Answers

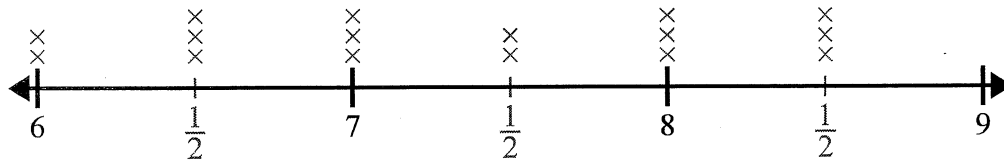
1. $<$ 4mD1
2. 126° 4mD /
3. **D** 4mD1
4. **C** 4mD2a
5. **D** 4mD1
6. 107° 4mD0
7. **A** 4mD1
8. **\$11.87** 4mD2
9. **26 ft** 4mD3
10. _____ 4mD4



10) Create and label the line plot using the set of numbers provided.

6 8 8 $8\frac{1}{2}$ $6\frac{1}{2}$ 8 $6\frac{1}{2}$ 7

$8\frac{1}{2}$ $8\frac{1}{2}$ 7 6 $6\frac{1}{2}$ $7\frac{1}{2}$ $7\frac{1}{2}$ 7





Thursday

1)
$$\begin{array}{r} 3,707 \\ \times \quad 5 \\ \hline 18,535 \end{array}$$

2)
$$\begin{array}{r} 4,310 \\ -1,074 \\ \hline 3,236 \end{array}$$

3)
$$\begin{array}{r} 7,764 \\ + 3,789 \\ \hline 11,553 \end{array}$$

4)
$$\begin{array}{r} 21 \\ \times 62 \\ \hline 42 \\ +1,260 \\ \hline 1,302 \end{array}$$

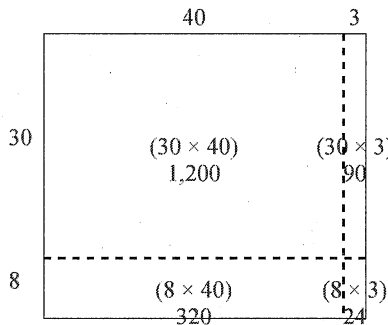
5)
$$\begin{array}{r} 110r5 \\ 6 \overline{)665} \\ \underline{6} \\ 06 \\ \underline{6} \\ 05 \\ \underline{0} \\ 5 \end{array}$$

6) $40 \times 50 = \underline{2,000}$

7) Round 15,644 to the nearest thousand.

$$\begin{array}{r} 15\text{(6)}44 \\ \underline{000} \\ 16,000 \end{array}$$

8) Use the visual model to solve.
 $38 \times 43 =$



$$\begin{array}{r} 1,200 \\ 320 \\ 90 \\ 24 \\ \hline 1634 \end{array}$$

9) Write in expanded form: 1,434

$\underline{1,000 + 400 + 30 + 4}$

10) Write as a numeral:

$100,000 + 20,000 + 5,000 + 500 + 30 + 6$

Answers

- 1. 18,535 4nb1c
- 2. 3,236 4nb1d
- 3. 11,553 4nb1e
- 4. 1,302 4nb1c
- 5. 110 r5 4nb1b
- 6. 2,000 4nb1f
- 7. 16,000 4nb1g
- 8. 1,634 4nb1h
- 9. Use Line 4nb1i
- 10. 125,536 4nb1j

Friday

1) 7 times as many as 8 is 56.

2) (true) false) 72 is a multiple of 6.
 multiples of 6: 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72

3) Determine if the number 83 is a multiple of 2, 3, 5, 6, 9, 10 or 'none'.

4) Is 51 a Prime(P) or a Composite(C) number?

try each one

$51 \div 3 = 17$ Composite
 $17 \times 3 = 51$

5) Determine which numbers best complete the pattern below.

6) Which choice is a factor of 16?
 A. 18 B. 3
C. 2 D. 20

73	65	57	49	41	?	?
----	----	----	----	----	---	---

Factors of 16

1 2 4 8 16

7) Which number is a factor of 14, but not a multiple of 2?

A. 7 B. 3
 C. 5 D. 4

Factors of 14 : 1 2 (7) 14
 Multiples of 2 : 2, 4, 6, 8, 10, 12

8) A car dealer spent twenty dollars on air fresheners, which is five dollars per car. How many cars does the car dealer have?

$20 \div 5 = 4$
 $\$5 \quad \$5 \quad \$5 \quad \5

9) Luke was packing up his old toys. He managed to squeeze seventy toys into a box. If Luke filled up forty-three boxes, how many toys did he pack total?

70 toys x 43 boxes = 3010

10) While playing a game Faye defeated 9 enemies with each enemy defeated 6,015 x 9 earning her 6,015 points. If she traded in all her points for 5 extra lives, how many points is it per life?

$6015 \times 9 = 54135$

Answers

1.	56	40A1
2.	true	40A4
3.	none	40A4
4.	C	40A4
5.	33, 25	40A3
6.	C	40A4
7.	A	40A4
8.	4	40A2
9.	3,010	40A3
10.	10,827	40A3

$5 \overline{) 54135}$
 $\underline{50}$
 41
 $\underline{40}$
 13
 $\underline{10}$
 35

Try 3

$3 \overline{) 27R2}$
 $\underline{27}$
 0
 $\underline{0}$
 23
 $\underline{21}$
 2

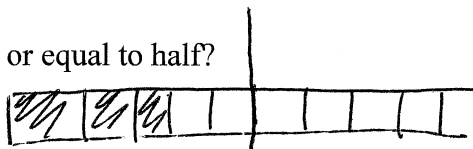
- Not 5 because doesn't end in 5 or zero
 - Not 10 because doesn't end in zero.
 - not 2 or 6 because not even.
 - If 3 doesn't work, 9 won't either.

Monday

1) Write as a mixed number.

$$\frac{48}{5} = 9 \frac{3}{5}$$

2) Is $\frac{3}{10}$ more, less or equal to half?



$$\frac{1}{2} \qquad \frac{3}{10} < \frac{1}{2}$$

3) Write 10 as a fraction with 3 in the denominator.

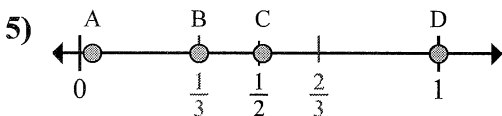
$$3 \times \frac{10}{3} = \frac{30}{3}$$

4) Fill in the blank to make an equivalent fraction.

$$\frac{3}{4} = \frac{24}{32}$$

$$3 \times 8 = 24$$

$$4 \times 8 = 32$$

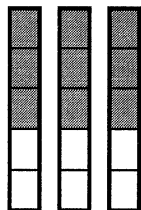


Which letter best shows $\frac{1}{3}$?

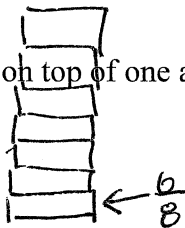
OR

$$6) \frac{3}{5} \times 3 = \frac{9}{5} \frac{6}{8}$$

$$\frac{9}{12} \quad \frac{12}{16} \quad \frac{15}{20} \quad \frac{18}{24} \quad \frac{20}{30}$$



7) Tom stacked 7 pieces of wood on top of one another. If each piece was $\frac{6}{8}$ of a foot tall, how tall was his pile?



$$\frac{6}{8} \times 7 = \frac{6}{8} \times \frac{7}{1} = \frac{42}{8} = 5 \frac{2}{8}$$

$$\begin{array}{r} 5 \text{ R } 2 \\ 8 \overline{) 42} \\ \underline{40} \\ 2 \end{array}$$

8) A chef bought $10 \frac{5}{7}$ pounds of carrots. If he later bought another $10 \frac{2}{7}$ pounds of carrots, what is the total weight of carrots he bought? Answer as a mixed number.

$$10 \frac{5}{7} + 10 \frac{2}{7} = 20 \frac{7}{7} = 21$$

Rewrite as division

$$\frac{48}{5} = 48 \div 5 = 5 \overline{) 48} \begin{array}{r} 9 \text{ R } 3 \\ \underline{45} \\ 3 \end{array} = 9 \frac{3}{5}$$

Answers

1.	$9 \frac{3}{5}$	4N13C 4N1Z
2.	less	3N13C 4N1I
3.	$\frac{30}{3}$	3N12A 4N14D
4.	32	4N14C 4N13D
5.	B	
6.	$\frac{24}{36}$ $\frac{9}{5}$	
7.	$5 \frac{2}{8}$	
8.	21	



Solve each problem.

1)
$$\begin{array}{r} 6 \\ \times 3 \\ \hline 18 \end{array}$$

2)
$$\begin{array}{r} 6 \\ \times 5 \\ \hline 30 \end{array}$$

3)
$$\begin{array}{r} 7 \\ \times 8 \\ \hline 56 \end{array}$$

4)
$$\begin{array}{r} 7 \\ \times 6 \\ \hline 42 \end{array}$$

5)
$$\begin{array}{r} 7 \\ \times 7 \\ \hline 49 \end{array}$$

6)
$$\begin{array}{r} 7 \\ \times 9 \\ \hline 63 \end{array}$$

7)
$$\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$$

8)
$$\begin{array}{r} 9 \\ \times 8 \\ \hline 72 \end{array}$$

9)
$$\begin{array}{r} 4 \\ \times 9 \\ \hline 36 \end{array}$$

10)
$$\begin{array}{r} 4 \\ \times 3 \\ \hline 12 \end{array}$$

11) $42 \div 7 = \underline{6}$

12) $40 \div 8 = \underline{5}$

13) $27 \div 3 = \underline{9}$

14) $56 \div 8 = \underline{7}$

15) $72 \div 9 = \underline{8}$

16) $35 \div 5 = \underline{7}$

17) $45 \div 9 = \underline{5}$

18) $56 \div 7 = \underline{8}$

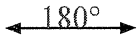
19) $72 \div 9 = \underline{8}$

20) $21 \div 3 = \underline{7}$



Tuesday

1) Is the angle 'more', 'less' or equal to 90°.

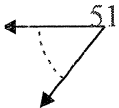


This is called a straight angle

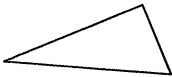
3) Use 'parallel', 'perp' (perpendicular) and 'inter' (intersecting) to describe the lines.



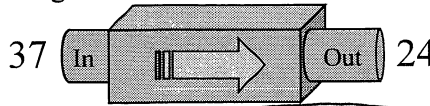
5) Is the angle shown acute, obtuse, right or straight?



7) Is the shape shown a right triangle (yes/no)?



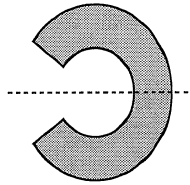
2) What rule is the function machine using?



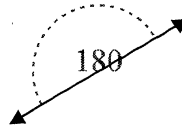
$$\begin{array}{r} -37 \\ 24 \\ \hline 13 \end{array}$$

- A. Add 10 **B. Subtract 13** C. Subtract 18 D. Subtract 11

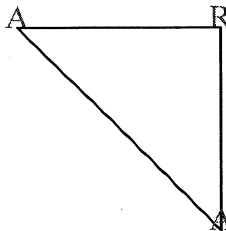
4) Determine if the line through the figure is a line of symmetry (yes/no).



6) Is the angle shown acute, obtuse, right or straight?



8) How many acute, obtuse and right angles are in the shape?



9) Amy had 67 files on her computer. She deleted 35 of them and put the rest into folders with 4 files in each one. How many folders did Amy end up with?

Step 1

$$\begin{array}{r} -67 \\ 35 \\ \hline 32 \end{array}$$

Step 2

$$32 \div 4 = 8$$

Answers

- 1. more
- 2. B
- 3. inter
- 4. yes
- 5. acute
- 6. straight
- 7. yes
- 8. 2 0 1
- 9. 8
- 10. C



10) Which expression best shows the rule the pattern is using?

Input (W)	6	5	4	10	7
Output	44	37	30	72	51

A. $W \times 7 - 5$

B. $W + 2$

C. $W \times 7 + 2$

D. $W \times 7 + 1$

Try them out:

A. $(6 \times 7) - 5 = 42 - 5 = 37$ NO

B. $6 + 2 = 8$ N

C. $(6 \times 7) + 2 = 42 + 2 = 44$ YES

D. $(6 \times 7) + 1 = 42 + 1 = 43$ NO



Wednesday

1) Compare using $<$, $>$ or $=$.

298 grams $<$ 6 kilograms

1000 grams = 1 kilogram

2) Find the perimeter and area (in u).

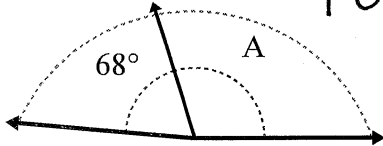
$$3 \begin{array}{|c|} \hline 5 \\ \hline \end{array} \quad P = (2 \times 3) + (2 \times 5)$$

$$6 + 10 = 16 \text{ u}$$

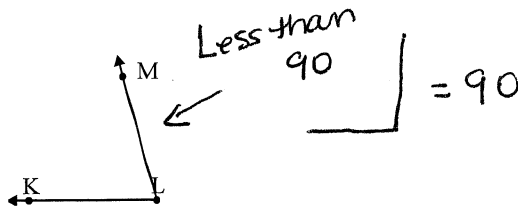
$$A = 3 \times 5 = 15 \text{ u}^2$$

3) Find the value of 'A'.

$$\begin{array}{r} 61 \\ -175 \\ \hline 68 \\ \hline 107 \end{array}$$



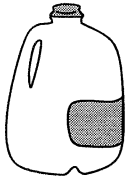
4)



Which choice best represents $\angle KLM$?

- A. 99°
- B. 75°
- C. 141°
- D. 164°

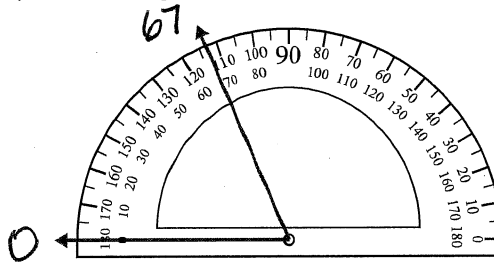
5)



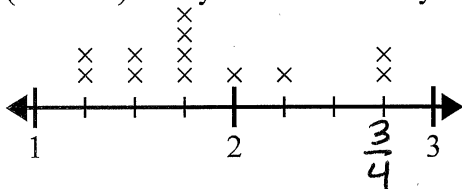
Gallon of Milk

- A. 60 pounds
- B. 0.6 ounces
- C. 6 pounds
- D. 6 ounces

6) What angle is shown below?



7) The line plot below shows the distance (in miles) Emily walked each day.



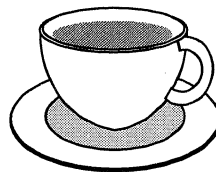
What is the difference in distance between the fewest miles she walked in a day and most miles she walked in a day?

$$\text{Most} = 2 \frac{3}{4}$$

$$\text{Least} = 1 \frac{1}{4}$$

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

8)



Liquid in a tea cup

- A. 1 Quart
- B. 1 Cup
- C. 1 Gallon
- D. 1 Pint

Answers

1.	$<$	4mD1
2.	16 15 u^2	4mD5
3.	107°	4mD7
4.	B	4mD3, 4mD1
5.	C	4mD1
6.	67°	4mD6
7.	$1 \frac{2}{4}$	4mD4
8.	B	4mD1
9.	\$10.05	4mD2
10.	Gallons	4mD1



9)

Restaurant Supplies

Spoons	\$1.39
Forks	\$3.15
Plates	\$3.64
Cups	\$1.77

Total: \$9.95

$$\begin{array}{r}
 19.91 \\
 - 20.00 \\
 \hline
 9.95 \\
 \hline
 10.05
 \end{array}$$

If you paid for the items above with a 20 dollar bill, how much change would you receive?

10) The volume of a bathroom sink is most likely 5 cups or 5 gallons?

Volume means how much liquid it can hold.

Remember: How to change a mixed number to an improper fraction

Visual: $7\frac{2}{10}$

$$\frac{10}{10} + \frac{10}{10} + \frac{10}{10} + \frac{10}{10} + \frac{10}{10} + \frac{10}{10} + \frac{10}{10} + \frac{2}{10}$$

$$= \frac{72}{10}$$

Easier

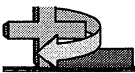
$$7 \times \frac{2}{10}$$

Denominator \times Whole number + numerator

$$(10 \times 7) + 2$$

10

Denominator



Thursday

1)
$$\begin{array}{r} 55 \\ \times 90 \\ \hline 4,950 \end{array}$$

2)
$$\begin{array}{r} 8,770 \\ + 1,511 \\ \hline 10,281 \end{array}$$

3) $50 \times 70 = \underline{3,500}$

4) Round 839,581 to the nearest ten thousand.

$839,581 = 800,000$

5) Use $<$, $>$ or $=$ to compare.
 $46,887 < 46,890$

6) In the number 6,334 the 3 in the hundreds place is $10 \times$ the value of the 3 in the tens place.

$30 \times 10 = 300$

7) Write in expanded form: 878,117

$800,000 + 70,000 + 8,000 + 100 + 10 + 7$

8) Write in word form: 892,763

eight hundred ninety-two thousand, seven hundred sixty-three

9) Write as a numeral:

$40,000 + 1,000 + 300 + 90 + 9$

10) Write as a numeral:

fifty-nine thousand, nine hundred twenty-nine

Answers

- 1. 4,950 4nbt1
- 2. 10,281 4nbt4
- 3. 3,500 4nbt1
- 4. 840,000 4nbt3
- 5. < 4nbt2
- 6. $10 \times$ 4nbt1
- 7. Use Line 4nbt2
- 8. Use Line 4nbt2
- 9. 41,399 4nbt2
- 10. 59,929 4nbt2



Friday

1) 30 is 5 times as many as 6.

2) (true) false) 32 is a multiple of 8.

8, 16, 24, 32

3) Determine if the number 19 is a multiple of ~~2~~, ~~3~~, ~~5~~, ~~6~~, ~~9~~, ~~10~~ or (none).

Try 3 $3 \overline{)19}$
6 21

4) Is 20 a Prime(P) or a Composite(C) number?

$2 \times 10 = 20$ $4 \times 5 = 20$
Composite

5) Determine which numbers best complete the pattern below.

33	41	49	57	65	?	?
----	----	----	----	----	---	---

6) Which choice is a factor of 57?

- A. 17 B. 3
C. 2 D. 16

Factors of 57 | 3 19 57

7) Which number is a factor of 15, but not a multiple of 5?

- A. 6 B. 3
C. 9 D. 10

Factors of 15 | 3 5 15

Multiples of 5 | 5, 10, 15, 20

8) For a fundraiser Adam earned fifty-four dollars, which is nine times as much as Nancy earned. How much did Nancy earn?

$? \times 9 = 54$ $6 \times 9 = 54$

9) At a school fundraiser the students sold fifty-two boxes of candy with each box having twenty-nine pieces inside of it. How many pieces of candy did they sell total?

$52 \times 29 = N$

10) At a potato chip factory there were 31 machines working with each machine able to produce 54 chips a minute. If this is enough potato chips to fill 9 shipping boxes, how many chips are there per box?

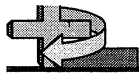
$$\begin{array}{r} 54 \\ \times 31 \\ \hline 54 \\ 1620 \\ \hline 1674 \end{array}$$

$$\begin{array}{r} 186 \\ 9 \overline{)1674} \\ \underline{9} \\ 77 \\ \underline{72} \\ 54 \end{array}$$

Answers

1.	<u>6</u>	40A1
2.	<u>true</u>	40A4
3.	<u>none</u>	40A4
4.	<u>C</u>	40A4
5.	<u>73, 81</u>	40A2
6.	<u>B</u>	40A4
7.	<u>B</u>	40A4
8.	<u>6</u>	40A2
9.	<u>1,508</u>	40A2
10.	<u>186</u>	40A3

$$\begin{array}{r} 52 \\ \times 29 \\ \hline 468 \\ 1040 \\ \hline 1508 \end{array}$$

**Monday**

- 1) Write as a mixed number.

$$\frac{25}{9} = 2 \frac{7}{9}$$

2 R 7

$$9 \overline{) 25}$$

$$\underline{18}$$

$$7$$

- 4)
- $\frac{27}{100} + \frac{6}{10} =$

$$\frac{27}{100} + \frac{60}{100} = \frac{87}{100}$$

- 6) Fill in the blank to make an equivalent fraction.

$$\frac{7}{10} = \frac{21}{30} \quad \begin{array}{l} 7 \times 3 = 21 \\ 10 \times 3 = 30 \end{array}$$

- 7) A restaurant used 4 pounds of potatoes during a lunch rush. If they used
- $\frac{5}{8}$
- as much beef, how many pounds of beef did they use?

$$4 \times \frac{5}{8} = \frac{20}{8} = 2 \frac{4}{8}$$

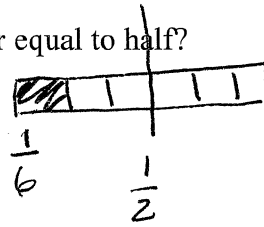
- 8) Paul drew a line that was
- $3 \frac{1}{6}$
- inches long. If he drew a second line that was
- $5 \frac{2}{6}$
- inches longer, what is the length of the second line? Answer as a mixed number.

$$3 \frac{1}{6} + 5 \frac{2}{6} = 8 \frac{3}{6}$$

- 2) Write as an improper fraction.

$$7 \frac{2}{10} = \frac{72}{10}$$

- 3) Is
- $\frac{1}{6}$
- more, less or equal to half?



- 5) Create an equivalent unit fraction problem.

$$2 \times \frac{2}{3} = 4 \times \frac{1}{3}$$

A unit fraction is a fraction with 1 as the numerator.
2 steps - first multiply

$$2 \times \frac{2}{3} = \frac{4}{3}$$

Then change to a whole number and unit fraction $4 \times \frac{1}{3}$

Answers

- | | | |
|----|------------------------|-------|
| 1. | $2 \frac{7}{9}$ | 4NI3C |
| 2. | $\frac{72}{10}$ | 4NI3C |
| 3. | less | 4NI2 |
| 4. | $\frac{87}{100}$ | 4NI3 |
| 5. | $4 \times \frac{1}{3}$ | 4NI4B |
| 6. | 30 | 4NI1 |
| 7. | $2 \frac{4}{8}$ | 4NI4C |
| 8. | and $8 \frac{3}{6}$ | 4NI3D |



Solve each problem.

1)
$$\begin{array}{r} 6 \\ \times 2 \\ \hline 12 \end{array}$$

2)
$$\begin{array}{r} 6 \\ \times 2 \\ \hline 12 \end{array}$$

3)
$$\begin{array}{r} 7 \\ \times 5 \\ \hline 35 \end{array}$$

4)
$$\begin{array}{r} 7 \\ \times 7 \\ \hline 49 \end{array}$$

5)
$$\begin{array}{r} 7 \\ \times 9 \\ \hline 63 \end{array}$$

6) Fill in the missing fact from the fact family.

$$40 \div 5 = 8$$

$$40 \div 8 = 5$$

$$8 \times 5 = 40$$

$$\underline{\hspace{1cm}}$$

$$5 \times 8 = 40$$

7) Fill in the missing fact from the fact family.

$$4 \times 6 = 24$$

$$24 \div 4 = 6$$

$$6 \times 4 = 24$$

$$\underline{\hspace{1cm}}$$
$$24 \text{ divided by } 6 \text{ is } 4$$

8) Fill in the missing fact from the fact family.

$$3 \times 6 = 18$$

$$18 \div 3 = 6$$

$$18 \div 6 = 3$$

$$\underline{\hspace{1cm}}$$
$$6 \times 3 = 18$$

9) Fill in the missing fact from the fact family.

$$10 \times 8 = 80$$

$$80 \div 8 = 10$$

$$80 \div 10 = 8$$

$$\underline{\hspace{1cm}}$$
$$8 \times 10 = 80$$

10) Fill in the missing fact from the fact family.

$$8 \times 7 = 56$$

$$56 \div 8 = 7$$

$$7 \times 8 = 56$$

$$\underline{\hspace{1cm}}$$
$$56 \text{ divided by } 7 \text{ is } 8$$

11) $25 \div 5 = \underline{5}$

12) $18 \div 6 = \underline{3}$

13) $35 \div 7 = \underline{5}$

14) $63 \div 9 = \underline{7}$

15) $81 \div 9 = \underline{9}$

16) $63 \div 9 = \underline{7}$

17) $12 \div 3 = \underline{4}$

18) $54 \div 9 = \underline{6}$

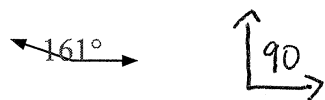
19) $18 \div 6 = \underline{3}$

20) $48 \div 6 = \underline{8}$

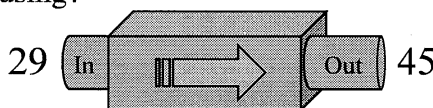


Tuesday

- 1) Is the angle 'more', 'less' or equal to 90° .



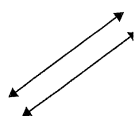
- 2) What rule is the function machine using?



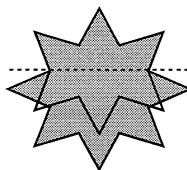
- A. Add 16 B. Subtract 21
C. Add 12 D. Add 19

$$\begin{array}{r} 31 \\ - 45 \\ \hline 29 \\ \hline 16 \end{array}$$

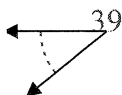
- 3) Use 'parallel', 'perp' (perpendicular) and 'inter' (intersecting) to describe the lines.



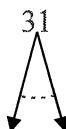
- 4) Determine if the line through the figure is a line of symmetry (yes/no).



- 5) Is the angle shown acute, obtuse, right or straight?



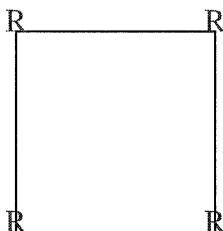
- 6) Is the angle shown acute, obtuse, right or straight?



- 7) Is the shape shown a right triangle (yes/no)?



- 8) How many acute, obtuse and right angles are in the shape?



- 9) John invited 9 friends to a birthday party, but 3 couldn't come. If he wanted to buy enough cupcakes so each person could have exactly 7, how many should he buy?

Step 1

$$9 - 3 = 6$$

Step 2

$$6 \times 7 = 42$$

Answers

1. more
2. A
3. parallel
4. no
5. acute
6. acute
7. yes
8. 0 0 4
9. 42
10. D



10) Which expression best shows the rule the pattern is using?

Input (R)	5	4	7	6	9
Output	11	10	13	12	15

A. $R \times 11 + 8$

B. $R \times 5 - 8$

C. $R \times 6$

D. $R + 6$

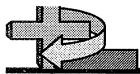
Try each one

A. $(5 \times 11) + 8 = 55 + 8 = 63$ NO

B. $(5 \times 5) - 8 = 25 - 8 = 17$ No

C. $5 \times 6 = 30$ No

D. $5 + 6 = 11$ Yes



Wednesday

$$\begin{array}{r} 1) \quad 4,167 \\ \times \quad 3 \\ \hline 12,501 \end{array}$$

$$\begin{array}{r} 2) \quad 8,458 \\ -1,629 \\ \hline 6,829 \end{array}$$

$$\begin{array}{r} 3) \quad 4,428 \\ + \quad 4,247 \\ \hline 8,675 \end{array}$$

$$\begin{array}{r} 4) \quad 64 \\ \times \quad 73 \\ \hline 192 \\ +4,480 \\ \hline 4,672 \end{array}$$

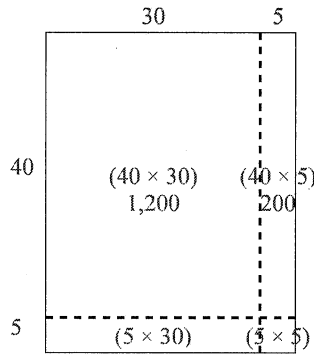
$$\begin{array}{r} 5) \quad 105 \text{ r}2 \\ 4 \overline{)422} \\ \underline{4} \\ 02 \\ \underline{0} \\ 22 \\ \underline{20} \\ 20 \\ \underline{2} \\ 0 \end{array}$$

$$6) \quad 6,300 \div 70 = \underline{90}$$

7) Round 558 to the nearest hundred.

$$\underline{558} = 600$$

8) Use the visual model to solve.
 $45 \times 35 =$



9) Write in expanded form: 262,153

$$\underline{200,000 + 60,000 + 2,000 + 100 + 50 + 3}$$

10) Write as a numeral:

$$8,000 + 100 + 40 + 7$$

Answers

- 1. 12,501 4nb1c 4nb1d
- 2. 6,829 4nb1c 4nb1d
- 3. 8,675 4nb1c 4nb1d
- 4. 4,672 4nb1c 4nb1d
- 5. 105 r2 4nb1c 4nb1d
- 6. 90 4nb1c 4nb1d
- 7. 600 4nb1c 4nb1d
- 8. 1,575 4nb1c 4nb1d
- 9. Use Line 4nb1c 4nb1d
- 10. 8,147 4nb1c 4nb1d

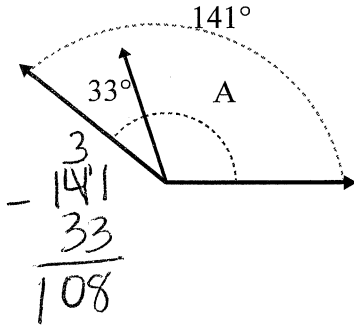


Thursday

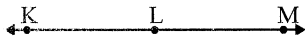
- 1) Compare using $<$, $>$ or $=$.
7,106 grams $>$ 1 kilogram

$1000 \text{ grams} = 1 \text{ kilogram}$

- 3) Find the value of 'A'.



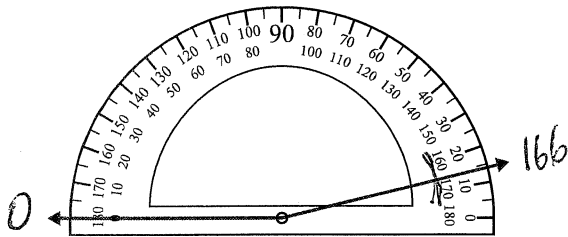
- 5) 180 is straight



Which choice best represents $\angle KLM$?

- A. 117° B. 72°
C. 180° D. 152°

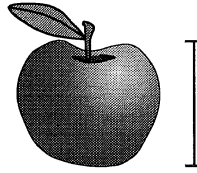
- 7) What angle is shown below?



- 2) Find the perimeter and area (in u).

$3 \begin{array}{|c|} \hline 6 \\ \hline \end{array} P = (3 \times 2) + (6 \times 2) = 6 + 12 = 18 u$
 $A = 3 \times 6 = 18 u^2$

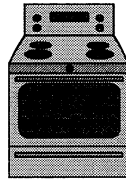
- 4)



Apple Height

- A. 2 feet B. 4 inches
C. 1 inch D. 1 yard

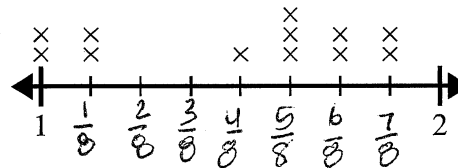
- 6)



Stove

- A. 16 ounces B. 30 pounds
C. 160 ounces D. 130 pounds

- 8) The line plot below shows the size (in inches) of several different frog species.



What is the difference in size between the shortest species and longest species of frog?

$longest = 1 \frac{7}{8}$
 $shortest = 1$
 $1 \frac{7}{8} - 1 = \frac{7}{8}$

Answers

1. $>$ 4md1
2. 18 $18 u^2$ 4md3
3. 108° 4md / 4md1
4. B 4md1
5. C 4md3 4md1
6. D 4md1
7. 166° 4md6
8. $0 \frac{7}{8}$ 4md4
9. $\$10.93$ 4md2
10. 3 cm 4md1



9)

Movie Theater

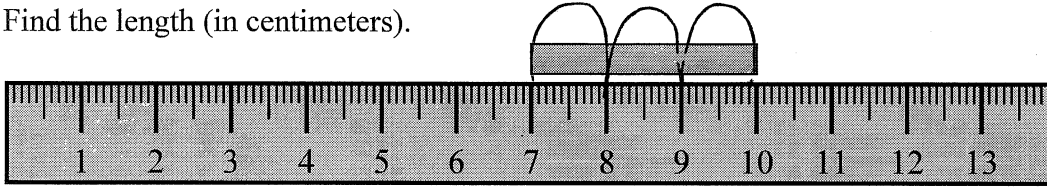
Popcorn	\$2.48
Soda	\$4.04
Candy	\$2.55

Total: \$9.07

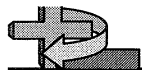
$$\begin{array}{r} 199, \\ - 20.00 \\ \hline 9.07 \\ \hline 10.93 \end{array}$$

If you paid for the items above with a 20 dollar bill, how much change would you receive?

10) Find the length (in centimeters).



3 cm

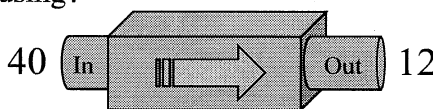


Monday

- 1) Is the angle 'more', 'less' or equal to 90° .



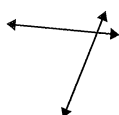
- 2) What rule is the function machine using?



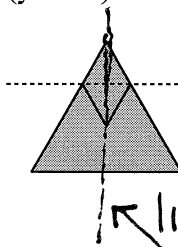
$$\begin{array}{r} 40 \\ -12 \\ \hline 28 \end{array}$$

- A. Add 29 B. Subtract 32
C. Subtract 28 D. Subtract 33

- 3) Use 'parallel', 'perp' (perpendicular) and 'inter' (intersecting) to describe the lines.



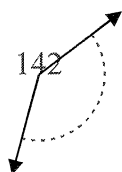
- 4) Determine if the line through the figure is a line of symmetry (yes/no).



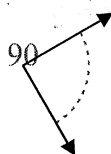
A line of symmetry cuts in 2 equal halves.

line of symmetry

- 5) Is the angle shown acute, obtuse, right or straight?



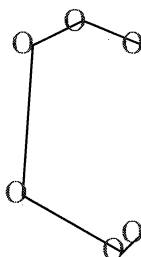
- 6) Is the angle shown acute, obtuse, right or straight?



- 7) Is the shape shown a right triangle (yes/no)?



- 8) How many acute, obtuse and right angles are in the shape?



- 9) Mike earned 5 dollars for each lawn he mowed. If he had 7 lawns to mow, but forgot to mow 3 of them, how much money did he actually earn?

step 1

$$7 - 3 = 4 \text{ lawns}$$

step 2

$$4 \times 5 = 20$$

Answers

1.	less	421
2.	C	421
3.	inter	423
4.	no	421
5.	obtuse	421
6.	right	422
7.	yes	421
8.	0 6 0	3028
9.	20	
10.	C	



10) Which expression best shows the rule the pattern is using?

Input (Q)	10	4	7	9	2	A. $Q + 2$	B. $Q \times 5 - 1$
Output	48	18	33	43	8	C. $Q \times 5 - 2$	D. $Q \times 5$

Try them out

A. $10 + 2 = 12$ No

B. $(10 \times 5) - 1 = 50 - 1 = 49$ No

C. $(10 \times 5) - 2 = 50 - 2 = 48$ Yes

D. $10 \times 5 = 50$ No



Solve each problem.

1)
$$\begin{array}{r} 6 \\ \times 7 \\ \hline 42 \end{array}$$

2)
$$\begin{array}{r} 6 \\ \times 8 \\ \hline 48 \end{array}$$

3)
$$\begin{array}{r} 7 \\ \times 1 \\ \hline 7 \end{array}$$

4)
$$\begin{array}{r} 6 \\ \times 5 \\ \hline 30 \end{array}$$

5)
$$\begin{array}{r} 7 \\ \times 4 \\ \hline 28 \end{array}$$

6) Fill in the missing fact from the fact family.
 $9 \times 7 = 63$
 $63 \div 7 = 9$
 $63 \div 9 = 7$
 ? $7 \times 9 = 63$

7) Fill in the missing fact from the fact family.
 $7 \times 3 = 21$
 $21 \div 7 = 3$
 $21 \div 3 = 7$
 ? $3 \times 7 = 21$

8) Fill in the missing fact from the fact family.
 $8 \times 9 = 72$
 $72 \div 8 = 9$
 $9 \times 8 = 72$
 ? $72 \text{ divided by } 9 \text{ is } 8$

9) Fill in the missing fact from the fact family.
 $48 \div 8 = 6$
 $8 \times 6 = 48$
 $48 \div 6 = 8$
 ? $6 \times 8 = 48$

10) Fill in the missing fact from the fact family.
 $20 \div 5 = 4$
 $5 \times 4 = 20$
 $20 \div 4 = 5$
 ? $4 \times 5 = 20$

11) $20 \div 5 = \underline{4}$

12) $21 \div 3 = \underline{7}$

13) $54 \div 6 = \underline{9}$

14) $32 \div 8 = \underline{4}$

15) $35 \div 5 = \underline{7}$

16) $14 \div 2 = \underline{7}$

17) $30 \div 5 = \underline{6}$

18) $63 \div 7 = \underline{9}$

19) $28 \div 4 = \underline{7}$

20) $30 \div 3 = \underline{10}$

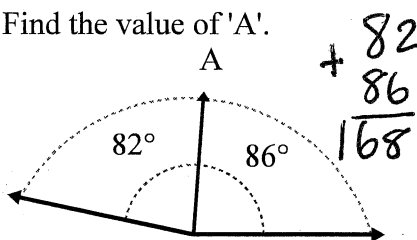


Tuesday

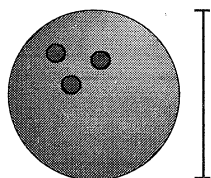
- 1) Compare using $<$, $>$ or $=$.
7,280 grams $>$ 1 kilogram

$1000 \text{ grams} = 1 \text{ kilogram}$

- 2) Find the value of 'A'.



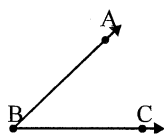
- 3)



Bowling Ball Height

- A. 1 yard B. 4 inches
C. 10 feet D. 10 inches

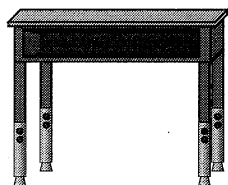
- 4)



Which choice best represents $\angle ABC$?

- A. 44° B. 121°
C. 150° D. 95°

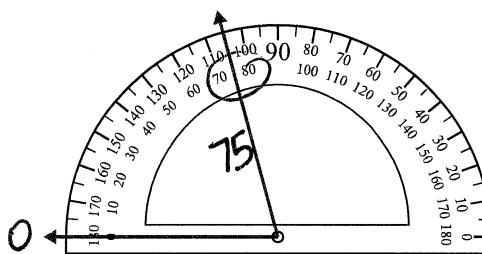
- 5)



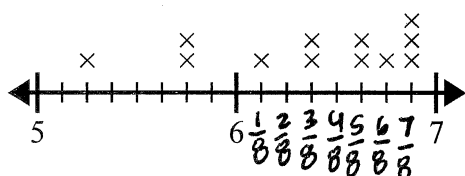
Desk

- A. 1 ounce B. 660 pounds
C. 11 ounces D. 30 pounds

- 6) What angle is shown below?



- 7) The line plot below shows the distance students lived from the school (in miles).

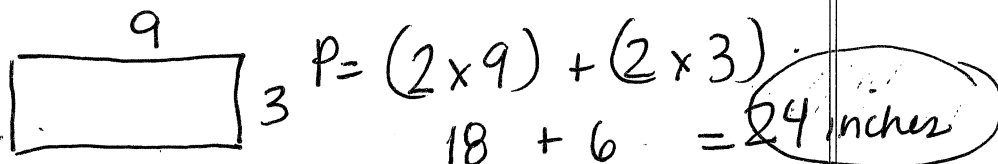


What is the difference in miles between the students who live closest and furthest away?

Furthest : $6 \frac{7}{8}$
Closest : $5 \frac{2}{8}$

$6 \frac{7}{8} - 5 \frac{2}{8} = 1 \frac{5}{8}$

- 8) A book had a length of 3 inches and a width of 9 inches. What is the perimeter of the book?



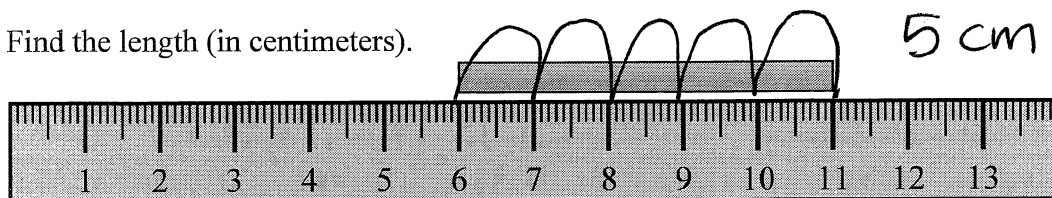
Answers

1. $>$
2. 168°
3. D
4. A
5. D
6. 75°
7. $1 \frac{5}{8}$
8. 24 in
9. \$1.70
10. 5 cm



9) Bianca bought 2 hamburgers, 1 hotdog and 2 sodas at the state fair. The hamburgers cost \$4.15 each, the hotdog cost \$3.30 and the sodas were each \$3.35. If she paid with a twenty dollar bill, how much change should she get back?

10) Find the length (in centimeters).



$$\text{Hamburgers} = 2 \times 4.15 = 8.30$$

$$\text{Hotdog} = 1 \times 3.30 = 3.30$$

$$\text{Sodas} = 2 \times 3.35 = 6.70$$

$$\begin{array}{r} 8.30 \\ 3.30 \\ 6.70 \\ \hline 18.30 \end{array}$$

$$\begin{array}{r} 19 \\ - 20.00 \\ \hline 18.30 \\ \hline \$ 1.70 \end{array}$$



Wednesday

$$\begin{array}{r} 1) \quad 9,173 \\ \times \quad 3 \\ \hline 27,519 \end{array}$$

$$\begin{array}{r} 2) \quad 5,102 \\ -3,495 \\ \hline 1,607 \end{array}$$

$$\begin{array}{r} 3) \quad 7,481 \\ + \quad 6,066 \\ \hline 13,547 \end{array}$$

$$\begin{array}{r} 4) \quad 14 \\ \times \quad 95 \\ \hline 70 \\ +1,260 \\ \hline 1,330 \end{array}$$

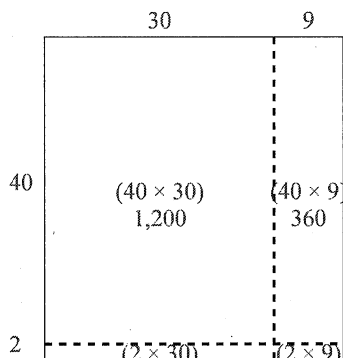
$$\begin{array}{r} 5) \quad 0 \ 4 \ 7 \ r2 \\ 6 \overline{) 2 \ 8 \ 4} \\ \underline{0} \\ 2 \ 8 \\ \underline{2 \ 4} \\ 4 \ 4 \\ \underline{4 \ 2} \\ 2 \end{array}$$

$$6) \quad 2,700 \div 90 = \underline{30}$$

7) Round 62,512 to the nearest hundred.

$$\begin{array}{r} 62,512 \\ \underline{\quad} \\ 62,500 \end{array}$$

8) Use the visual model to solve. $42 \times 39 =$



9) Write in expanded form: 673,936

$$\underline{600,000 + 70,000 + 3,000 + 900 + 30 + 6}$$

10) Write as a numeral:

$$5,000 + 700 + 6$$

Answers

1. 27,519

2. 1,607

3. 13,547

4. 1,330

5. 47 r2

6. 30

7. 62,500

8. 1,638

9. Use Line

10. 5,706

Thursday

1) 28 is 4 times as many as 7.

3) Determine if the number 94 is a multiple of 2, ~~3~~, ~~6~~, ~~9~~, ~~10~~ or 'none'.

94 is even
Doesn't end in 5 or 0.

5) Determine which numbers best complete the pattern below.

48	46	44	42	40	?	?
----	----	----	----	----	---	---

$48 - 2 = 46$ $40 - 2 = 38$

$46 - 2 = 44$ $38 - 2 = 36$

7) Which number is a factor of 15, but not a multiple of 3?

- A. 6 B. 4
C. 8 D. 5

Factor of 15 : 1 3 5 15
multiple of 3 : 3, 6, 9, 12

8) For a fundraiser Paul earned sixteen dollars and Carol earned eight dollars. Paul earned how many times more than Carol?

$8 \times N = 16$ $8 \times 2 = 16$
Carol times more Paul

9) Paul's mother had eighty-two photo albums with ninety pictures in each album. How many pictures did his mother have total?

$82 \times 90 = 7380$

10) An industrial machine made 9,235 cans of diet sodas and 3 times as many regular sodas over the course of 51 minutes. The regular sodas were then placed into 5 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box.

$$\begin{array}{r} \times 9235 \\ 3 \\ \hline 27705 \end{array}$$

$$\begin{array}{r} 5541 \\ 5 \overline{) 27705} \\ \underline{25} \\ 27 \\ \underline{25} \\ 20 \\ \underline{20} \\ 05 \end{array}$$

Check 3, 6 and 9 : If 3 doesn't work, 6 and 9 won't either because they are multiples of 3.

$$\begin{array}{r} 31 R1 \\ 3 \overline{) 94} \\ \underline{9} \\ 04 \end{array}$$

Answers

1.	7	4021
2.	false	4024
3.	2	4024
4.	C	4024
5.	38, 36	4023
6.	D	4024
7.	D	4024
8.	2	4022
9.	7,380	4023
10.	5,541	4023

$$\begin{array}{r} 1 \\ \times 82 \\ \times 90 \\ \hline 000 \\ 7380 \\ \hline 7380 \end{array}$$

Friday

1) Write as a mixed number.

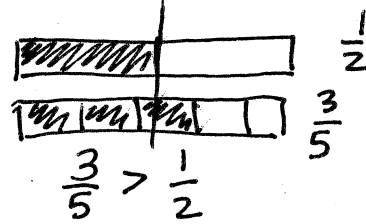
$$\frac{49}{8} = 6 \frac{1}{8}$$

2) Write as an improper fraction.

$$7 \frac{1}{2} = \frac{15}{2}$$

$$\frac{7 \times 2 + 1}{2} = \frac{15}{2}$$

3) Is $\frac{3}{5}$ more, less or equal to half?



4) $\frac{49}{100} + \frac{30}{100} =$

$$\frac{49}{100} + \frac{30}{100} = \frac{79}{100}$$

5) Reduce as much as possible.

$$\frac{6}{48} = \frac{1}{8}$$

To help reduce find the factors of each number.

6: 1, 2, 3, 6

48: 1, 2, 3, 4, 6, 8, 12, 16, 24, 48

Find the greatest common factor

$$\frac{6 \div 6}{48 \div 6} = \frac{1}{8}$$

Divide top and bottom by Greatest Common Factor.

7) Edward ran 4 miles on his first day of training. The next day he ran $\frac{7}{8}$ that distance. How far did he run the second day?

$$4 \times \frac{7}{8} = \frac{28}{8} = 28 \div 8 = 3 \text{ R } 4 = 3 \frac{4}{8}$$

8) On Saturday a restaurant used $3 \frac{2}{5}$ cans of vegetables. On Sunday they used another $8 \frac{1}{5}$ cans. What is the total amount of vegetables they used? Answer as a mixed number.

$$3 \frac{2}{5} + 8 \frac{1}{5} = 11 \frac{3}{5}$$

Answers

1. $6 \frac{1}{8}$
2. $\frac{15}{2}$
3. more
4. $\frac{79}{100}$
5. $\frac{1}{8}$
6. $18 \times \frac{1}{4}$
7. $3 \frac{4}{8}$
8. $11 \frac{3}{5}$



Monday

1) Write as a mixed number.

$$\frac{41}{4} = 10 \frac{1}{4}$$

2) Write as an improper fraction.

$$6 \frac{8}{10} = \frac{68}{10}$$

3) Is $\frac{7}{12}$ more, less or equal to half?

$\frac{6}{12}$ is half $\frac{7}{12} > \frac{1}{2}$

$41 \div 4 = 10 R1 = 10 \frac{1}{4}$

$$\frac{10 \times 6 + 8}{10} = \frac{68}{10}$$

4) $\frac{17}{100} + \frac{8}{10} =$

$$\frac{17}{100} + \frac{80}{100} = \frac{97}{100}$$

5) Reduce as much as possible.

$$\frac{30}{40} = \frac{3}{4}$$

Factors of 30: 1 2 3 5 6 10 15 30

Factors of 40: 1 2 4 5 8 10 20 40

GCF = 10

$$\frac{30 \div 10}{40 \div 10} = \frac{3}{4}$$

6) Create an equivalent unit fraction problem.

$$10 \times \frac{3}{8} = 30 \times \frac{1}{8}$$

$$\frac{30}{8} = 30 \times \frac{1}{8}$$

7) On Monday it snowed 8 inches. The next day it snowed $\frac{6}{10}$ that amount. How much did it snow on the second day?

$$8 \times \frac{6}{10} = \frac{48}{10} = 4 \frac{8}{10}$$

8) Tiffany's new puppy weighed $5 \frac{5}{7}$ pounds. After a month it had gained $9 \frac{4}{7}$ pounds. What is the weight of the puppy after a month? Answer as a mixed number.

$$5 \frac{5}{7} + 9 \frac{4}{7} = 14 \frac{9}{7} = 15 \frac{2}{7}$$

Answers

1.	$10 \frac{1}{4}$	4NI3C
2.	$\frac{68}{10}$	4NI3C
3.	more	4NI2
4.	$\frac{97}{100}$	4NI3
5.	$\frac{3}{4}$	4NI1
6.	$30 \times \frac{1}{8}$	4NI4B
7.	$4 \frac{8}{10}$	4NI4C
8.	$15 \frac{2}{7}$	4NI5D



Solve each problem.

1)
$$\begin{array}{r} 6 \\ \times 2 \\ \hline 12 \end{array}$$

2)
$$\begin{array}{r} 6 \\ \times 1 \\ \hline 6 \end{array}$$

3)
$$\begin{array}{r} 7 \\ \times 1 \\ \hline 7 \end{array}$$

4)
$$\begin{array}{r} 7 \\ \times 1 \\ \hline 7 \end{array}$$

5)
$$\begin{array}{r} 6 \\ \times 1 \\ \hline 6 \end{array}$$

6) Fill in the missing fact from the fact family.
 $4 \times 7 = 28$
 $28 \div 7 = 4$
 $7 \times 4 = 28$
 ?
28 divided by 4 is 7

7) Fill in the missing fact from the fact family.
 $36 \div 9 = 4$
 $4 \times 9 = 36$
 $9 \times 4 = 36$
 ?
36 divided by 4 is 9

8) Fill in the missing fact from the fact family.
 $6 \times 4 = 24$
 $4 \times 6 = 24$
 $24 \div 4 = 6$
 ?
24 divided by 6 is 4

9) Fill in the missing fact from the fact family.
 $3 \times 6 = 18$
 $6 \times 3 = 18$
 $18 \div 6 = 3$
 ?
18 divided by 3 is 6

10) Fill in the missing fact from the fact family.
 $9 \times 5 = 45$
 $45 \div 9 = 5$
 $45 \div 5 = 9$
 ?
 $5 \times 9 = 45$

11) $56 \div 8 = \underline{7}$

12) $56 \div 7 = \underline{8}$

13) $54 \div 9 = \underline{6}$

14) $14 \div 7 = \underline{2}$

15) $42 \div 6 = \underline{7}$

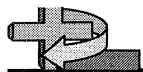
16) $28 \div 4 = \underline{7}$

17) $48 \div 6 = \underline{8}$

18) $24 \div 8 = \underline{3}$

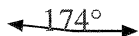
19) $32 \div 4 = \underline{8}$

20) $72 \div 8 = \underline{9}$

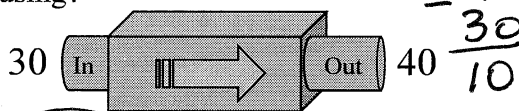


Tuesday

- 1) Is the angle 'more', 'less' or equal to 90° .

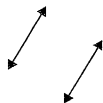


- 2) What rule is the function machine using?

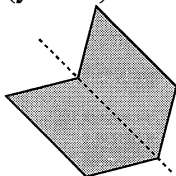


- A. Add 10 B. Add 13
C. Subtract 7 D. Subtract 6

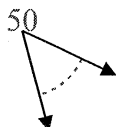
- 3) Use 'parallel', 'perp' (perpendicular) and 'inter' (intersecting) to describe the lines.



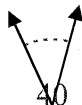
- 4) Determine if the line through the figure is a line of symmetry (yes/no).



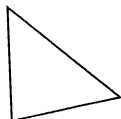
- 5) Is the angle shown acute, obtuse, right or straight?



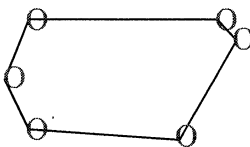
- 6) Is the angle shown acute, obtuse, right or straight?



- 7) Is the shape shown a right triangle (yes/no)?



- 8) How many acute, obtuse and right angles are in the shape?



- 9) A magician was selling magic card decks for 4 dollars each. If he started with 11 decks and by the end of the day he had 3 left, how much money did he earn?

step¹ $11 - 3 = 8$ decks step² $8 \times 4 = 32$

Answers

1. more 421
 2. A 421
 3. parallel 423
 4. yes 421
 5. acute 421
 6. acute 422
 7. no 421
 8. 0 6 0 3088
 9. 32
 10. B



10) Which expression best shows the rule the pattern is using?

Input (R)	5	6	4	10	3	A. $R \times 6$	B. $R \times 3 + 6$
Output	21	24	18	36	15	C. $R + 6$	D. $R \times 3$

A. $5 \times 6 = 30$ No

B. $(5 \times 3) + 6 = 15 + 6 = 21$ Yes

C. $5 + 6 = 11$ No

D. $5 \times 3 = 15$ No

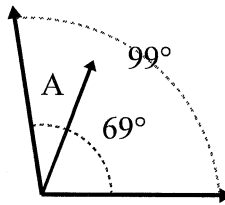


Wednesday

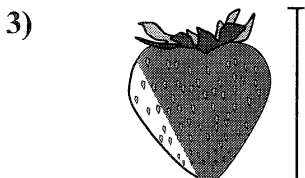
- 1) Compare using $<$, $>$ or $=$.
 1,661 grams $>$ 1 kilogram

$1000 \text{ grams} = 1 \text{ kilogram}$

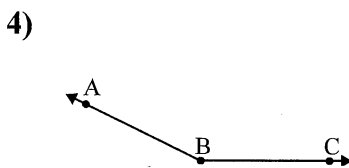
- 2) Find the value of 'A'.



$$\begin{array}{r} 99 \\ - 69 \\ \hline 30 \end{array}$$

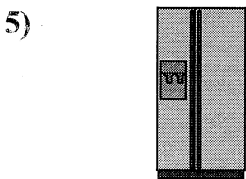


- Strawberry
 A. 6 inches B. 2 inches
 C. 10 inches D. 1 yard



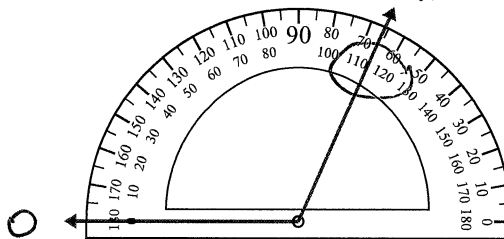
Which choice best represents $\angle ABC$?

- A. 178° B. 154°
 C. 0° D. 45°



- Refrigerator
 A. 1 ounce B. 7 ounces
 C. 250 pounds D. 20 pounds

- 6) What angle is shown below? 114°



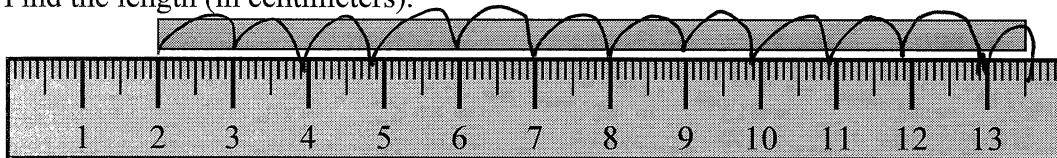
- 7) A piece of plywood was cut so its length was 3 feet by 4 feet. What is the area of the wood?

$3 \times 4 = 12 \text{ ft}^2$

- 8) Olivia bought 1 soda, 3 hotdogs and 2 nachos at the baseball game. The soda cost \$1.20, the hotdogs cost \$1.50 a piece and the nachos were each \$3.75. If she paid with a twenty dollar bill, how much change should she get back?

Soda = $1 \times 1.20 = 1.20$ Hotdogs = $3 \times 1.50 = 4.50$ Nachos = $2 \times 3.75 = 7.50$

- 9) Find the length (in centimeters).



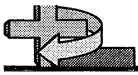
$11 + \frac{1}{2} = 11\frac{1}{2}$ or 11.5

Answers

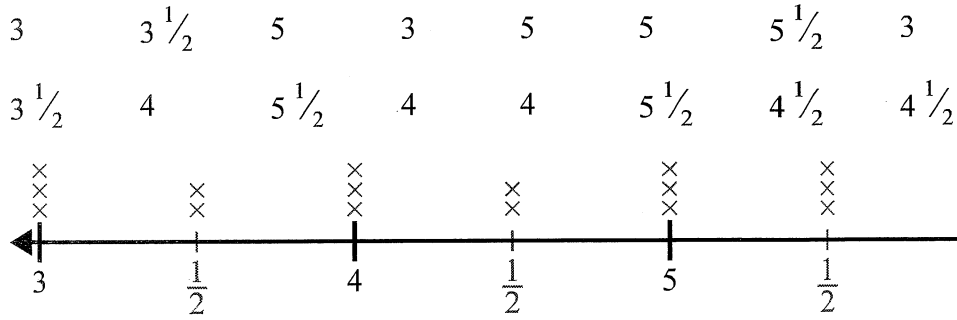
1. $>$
2. 30°
3. B
4. B
5. C
6. 114°
7. 12 ft^2
8. \$6.80
9. 11.5 cm
10. _____

$$\begin{array}{r} 1.20 \\ 4.50 \\ 7.50 \\ \hline 13.20 \end{array}$$

$$\begin{array}{r} 20.00 \\ - 13.20 \\ \hline 6.80 \end{array}$$



10) Create and label the line plot using the set of numbers provided.





Thursday

$$\begin{array}{r} 1) \quad 5,554 \\ \times \quad 3 \\ \hline 16,662 \end{array}$$

$$\begin{array}{r} 2) \quad 9,795 \\ -4,422 \\ \hline 5,373 \end{array}$$

$$\begin{array}{r} 3) \quad 4,470 \\ + \quad 1,484 \\ \hline 5,954 \end{array}$$

$$\begin{array}{r} 4) \quad 18 \\ \times \quad 59 \\ \hline 162 \\ + 900 \\ \hline 1,062 \end{array}$$

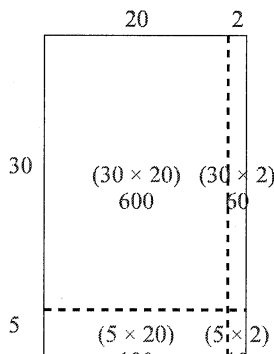
$$\begin{array}{r} 5) \quad 172r1 \\ 4 \overline{) 689} \\ \underline{4} \\ 28 \\ \underline{28} \\ 09 \\ \underline{8} \\ 1 \end{array}$$

$$6) \quad 400 \div 40 = \underline{10}$$

7) Round 303,816 to the nearest hundred thousand.

$$\begin{array}{r} 303,816 \\ \underline{300,000} \end{array}$$

8) Use the visual model to solve. $35 \times 22 =$



9) Write in expanded form: 98,226

$$\underline{90,000 + 8,000 + 200 + 20 + 6}$$

10) Write as a numeral:

$$400,000 + 70,000 + 5,000 + 800 + 70 + 5$$

Answers

- 1. 16,662 4nD13 4nD14
- 2. 5,373 4nD14
- 3. 5,954 4nD14 4nD13
- 4. 1,062 4nD13
- 5. 172 r1 4nD16 4nD11
- 6. 10 4nD11
- 7. 300,000 4nD13 4nD13
- 8. 770 4nD13 4nD12
- 9. Use Line 4nD12 4nD12
- 10. 475,875 4nD12



Friday

1) 42 is 6 times as many as 7.

2) (true / false) 44 is a multiple of 8.

8, 16, 24, 32, 40, 48

3) Determine if the number 80 is a multiple of 2, 5, 8, 10 or 'none'.

Ends in zero
even number

4) Is 97 a Prime(P) or a Composite(C) number? This is tricky. We know you cant divide it by 2, 4, 6, 8, 10 or 5

5) Determine which numbers best complete the pattern below.

104	95	86	77	68	?	?
-----	----	----	----	----	---	---

104 - 9 = 95 68 - 9 = 59
95 - 9 = 86 59 - 9 = 50

6) Which choice is not a factor of 82?

- A. 41 B. 2
C. 11 D. 82

Multiples of 11 are:
"double numbers" 11, 22, 33, 44

7) Which number is a factor of 22, but not a multiple of 2?

- A. 6
C. 4

- B. 7
D. 11

Factors of 22: 1, 2, 11, 22

Multiples of 2: 2, 4, 6, 8, 10, 12

8) A toy store sold seventy-six video games in one day. If each game cost sixty-seven dollars, how much money did they make?

$76 \times 67 = 5092$

$$\begin{array}{r} 76 \\ \times 67 \\ \hline 532 \\ 4560 \\ \hline 5092 \end{array}$$

9) George was collecting cans for recycling. He collected twelve cans on Saturday which is six times as many as he collected Sunday. How many did he collect on Sunday?

Sunday $\times 6 =$ Saturday

$5 \times 6 = 12$

$S = 2$

distractor

10) The owner of a malt shop spent \$3 buying 6 boxes of cups with each box containing 336 cups. If he expected the cups to last 7 months, how many cups does he plan to use each month?

$$\begin{array}{r} 23 \\ \times 336 \\ \hline 2016 \end{array}$$

2016 cups

$$\begin{array}{r} 288 \\ 7 \overline{) 2016} \\ \underline{146} \\ 61 \\ \underline{56} \\ 56 \\ \underline{56} \\ 0 \end{array}$$

The only math fact that makes a number end in 7 is $9 \times 3 = 27$ or $7 \times 11 = 77$
We know it is not a multiple of 11. So

try 19×3

$$\begin{array}{r} 29 \\ \times 3 \\ \hline 57 \end{array}$$

or $29 \times 3 =$

$$\begin{array}{r} 229 \\ \times 3 \\ \hline 87 \end{array}$$

$$\begin{array}{r} 2 \\ 39 \times 3 = \\ \hline 117 \end{array}$$

It is a prime number

Answers

1.	<u>7</u>	4021
2.	<u>false</u>	4024
3.	<u>2, 5, 10</u>	4024
4.	<u>P</u>	4024
5.	<u>59, 50</u>	4023
6.	<u>C</u>	4024
7.	<u>D</u>	4024
8.	<u>5,092</u>	4023
9.	<u>2</u>	4022
10.	<u>288</u>	4023