Day 1

1. Arrange the numbers from least to greatest.
   1/4, $3\frac{1}{2}$, 1/2, 12/4

   $\frac{1}{4}, \frac{1}{3}, \frac{12}{4}, 3\frac{1}{2}$

2. Write in standard form:
   sixty-nine thousand, two hundred eleven.

   69,211

3. Compare using <, >, or =. $4\frac{1}{2}$ □ 4.1

   4.5 4.1

   >

4. Express 25 minutes as a fraction of 1 hour in lowest terms.

   $\frac{25}{60} \div \frac{5}{5} = \frac{5}{12}$

5. During the past year, Carlos earned $1,979 each month.
   He saved $6,342 and spent the rest.
   How much did he spend?

   $1,979 $1,979 $19,790 $23,748 $17,406

   $1,979 × 10 = $19,790 $1,979 × 2 = $3,958 $19,790 + 3,958 = $23,748 $23,748 − 6,342 = $17,406

6. 60 x 50 = ?

   3,000

7. Round 45,230 to the nearest hundred.

   45,200

8. Which of the following is NOT equivalent to 1/3?

   4/12; 30/90; 8/32; 5/15

   $\frac{8}{32}$

9. How many fifths are there in $3\frac{2}{5}$?

   17 fifths

$3\frac{2}{5} = \frac{17}{5}$ or $\frac{5}{5} + \frac{5}{5} + \frac{5}{5} + \frac{2}{5}$

10. Josh had 1,056 rubber bands. He put them equally into 6 boxes. How many rubber bands were there in each box?

$$6\overline{)1056}\quad -600\ (100)\quad 456\quad -420\ (70)\quad 36\quad -36\ (6)\quad 0$$

176

176 rubber bands

11. 1/4 + 6/8 =

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

$\frac{8}{8} = 1$ whole

12. 9/10 + 3/5 =

$\frac{9}{10} + \frac{6}{10} = \frac{15}{10}$

$\frac{15}{10} = 1\frac{5}{10} = 1\frac{1}{2}$

13. Write in word form: 53,900

fifty-three thousand, nine hundred

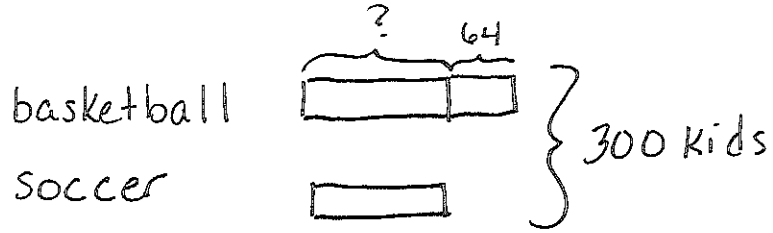
14. Continue the pattern:

63,800 — 64,100 — 64,400 — 64,700 — 65,000

+300 +300 +300 +300

Use bar model to solve.

15. There are 300 kids at camp. Some are playing basketball and some are playing soccer. There are 64 more children playing basketball than playing soccer. How many children are playing basketball?



(A) $300 - 64 = 236$

(B) $236 \div 2 = 118$ (-200, 36, -20, 16)

(C) $118 + 64 = 182$

There are 182 children playing basketball.

Day 2

1. Arrange the numbers in increasing order.

$\frac{2}{3}, \frac{3}{4}, \frac{5}{6}$

3/4, 2/3, 5/6

$\frac{9}{12}, \frac{8}{12}, \frac{10}{12}$

2. Compare using <, >, or =. 9/10 □ 3/4

$\frac{18}{20}$ $\frac{15}{20}$

>

3. 300 × 9 = ?

2,700

4. 31,000 – 5,000 = ?

26,000

5. Round 5,192 to the nearest hundred.

5,200

6. 22 tenths = 2 ones and _____ tenths

2

7. Mr. Fruit imported 138 boxes of mangoes. There were 24 mangoes in each box. He set aside 72 mangoes for his friends and sold the rest to 3 restaurants. If each restaurant bought an equal number of mangoes, how many mangoes did each restaurant buy?

1,080

138
×24
552
+2,760
3,312

3,312
− 72
3,240

1,080
3 | 3,240
− 3,000
240
− 0
240
− 240
0

Solve. Show your work. Express your answer in its simplest form.

8. 5/12 + 1/4 =

$\frac{5}{12} + \frac{3}{12} = \frac{8}{12} = \frac{2}{3}$

9. 2 – 3/10 =

$\frac{20}{10} - \frac{3}{10} = \frac{17}{10} = 1\frac{7}{10}$

10. What fraction of a full turn is one right angle? 90° $\frac{1}{4}$

11. The table shows the 50-cent and 20-cent toys that three friends bought for party favors.

Complete the table.

	(50-cent toys)		(20-cent toys)		Total Cost
Name	Number	Cost	Number	Cost	
Ashin	5	$2.50	9	$1.80	$4.30
Benjamin	6	$3.00	7	$1.40	$4.40
Cara	4	$2.00	8	$1.60	$3.60

Complete. Use the data in the table.

12. Who bought the most toys? Ashin

13. Who spent the most on the toys? Benjamin ($4.40)

14. How much more did they spend on 50-cent toys than on 20 cent toys?

$2.50 + $3.00 + $2.00 = $7.50

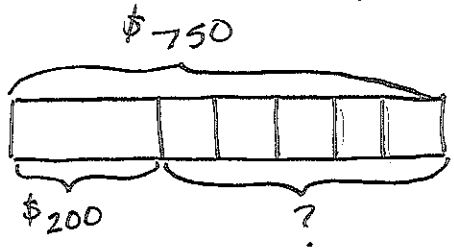
$1.80 + $1.40 + $1.60 = $4.80

$7.50 - $4.80 = $2.70

Use a bar model to solve.

15. Amanda pays $750 for a table and five matching chairs. If the table costs $200, how much do the chairs cost? How much does each chair cost individually?

cost of table and chairs



(A) $750 − 200 = $550 total

(B) 5 units = $550

1 unit = $550 ÷ 5

1 unit = $110

The total cost of all the chairs is $550.

One chair costs $110.

Day 3

1. 3,600 ÷ 4 = ? 900

2. Round 563 to the nearest ten. 560

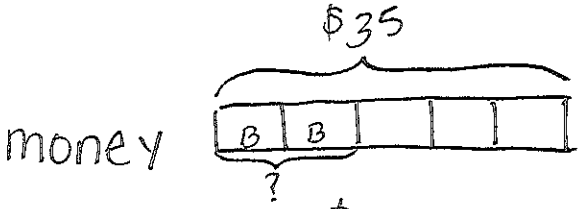
3. What is the value of the digit 2 in 32, 876? 2,000

4. Estimate and then multiply 456 x 60.
   Estimate= 500 x 60 = 30,000
   Product= 27,360

5. Write 400 + 50 + 0.07 as a decimal. 450.07

6. In 12.78, which digit is in the tenths place? 7

7. Terry had $35. He spent 2/5 of his money on a book. Then he spent $8.25 on lunch. How much money did he spend altogether? $22.25

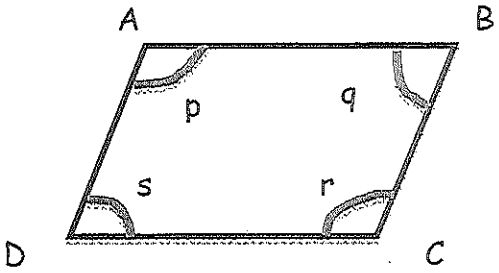


(A) 5 units = $35
1 unit = 35 ÷ 5
1 unit = $7

(B) 1 unit = $7
2 units = $7 x 2
2 units = $14

(C) $14.00
+ 8.25
$22.25

Name the given angles in another way.



8. Angle p: ∠DAB, ∠BAD 9. Angle r: ∠DCB, ∠BCD

10. Angle ABC: ∠q, ∠CBA 11. Angle ADC: ∠s, ∠CDA

Estimate and decide which of the above angle measures are

12. Acute angles

∠ABC or ∠CBA

∠ADC or ∠CDA

13. Obtuse angles

∠DAB or ∠BAD

∠DCB or ∠BCD

14. A turtle hatchery collected 457 turtle eggs in a week. The next week, it collected 656 eggs. About how many eggs did the hatchery collect in the two weeks?

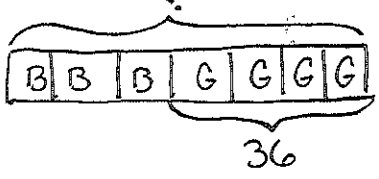
457 → 500
656 → +700
1,200

About 1,200 eggs.

Use a bar model to solve.

15. In fourth grade, 3/7 of the students are boys. If there are 36 girls in fourth grade, how many students are there altogether?

Students



(A) 4 units = 36
1 unit = 36 ÷ 4
1 unit = 9

(B) 3 units = Boys
9 × 3 = 27 Boys

(C) 36
+27
63 students

There are 63 students altogether.

Day 4

1. Arrange in increasing order.

   0.6, 0.55, 0.7, 0.09

   0.09, 0.55, 0.6, 0.7

2. Express 2.05 as a fraction in its simplest form.

   $2\frac{5}{100} = 2\frac{1}{20}$

3. What is $\frac{1}{4}$ of 32? $32 \div 4$

   8

4. 6,578 x 4 = ?

   26,312

5. 560 ÷ 8 = ?

   70

6. Write the first 5 multiples of 7.

   7, 14, 21, 28, 35

7. What are the factors of 24?

   1, 2, 3, 4, 6, 8, 12, 24

8. Write 30 + 2 + 5/10 + 3/100 as a decimal.

   32.53

9. Write 32/3 as a mixed number.

   $10\frac{2}{3}$

10. Jennie saved $56.87. Her brother saved $38.98 more than she. How much did they save altogether?

    $152.72

$$\begin{array}{r} \$56.87 \\ +\ 38.98 \\ \hline \$95.85 \\ +56.87 \\ \hline \$152.72 \end{array}$$

Solve

11. 3,456 x 73	12. 4 x 2,107	13. 6,431 ÷ 7
3,456 x 73 10,368 +241,920 252,288	2,107 x 4 8,428	918 r 5 7)6,431 -6,300 131 -70 61 -56 5

14. Mrs. Long needed sugar for a recipe. She had 1/4 cup of sugar in an open package. She added another 7/8 cup of sugar from a new package. How much sugar did she use in all?

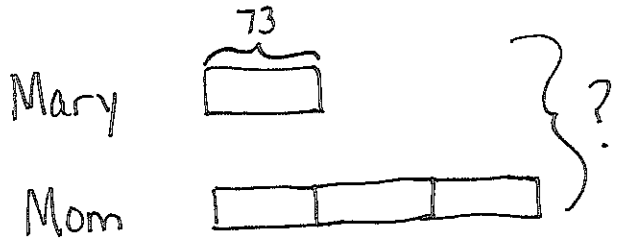
$\frac{1}{4} + \frac{7}{8}$

$\frac{2}{8} + \frac{7}{8} = \frac{9}{8} = 1\frac{1}{8}$

Mrs. Long used $1\frac{1}{8}$ cup of sugar.

Use a bar model to solve.

15. Mary baked 73 fruit tarts. Her mother baked 3 times as many fruit tarts as Mary. How many fruit tarts did they bake altogether?



(A) 73 x 3 = 219

(B) 219 + 73 = 292

Mary and her mom baked 292 fruit tarts.

Day 5

1. 6,000 - 700 = 5,300

2. What are the first two common multiples of 6 and 8?

6: 6, 12, 18, 24, 30, 36, 42, 48
8: 8, 16, 24, 32, 40, 48

3. What are the common factors of 12 and 20?

12: 1, 2, 3, 4, 6, 12
20: 1, 2, 4, 5, 10, 20

4. Write 32/6 as a mixed number in simplest form.

$\frac{32}{6} = 5\frac{2}{6} = 5\frac{1}{3}$

5. Sammy has $3,639 in his savings account. Round off this amount to the nearest $100.

$3,600

6. Arrange the numbers in increasing order.

3/10, 0.65, 2, 0.7

0.3, 0.65, 0.7, 2.0

7. Kathy had 32 stickers. She gave away 3/4 of her stickers to friends. How many stickers does she have left?

$\frac{3}{4} \times \frac{32^{8}}{1} = 24$ $\quad 32 - 24 = 8$

8 stickers left

8. _____ is 0.1 less than 5.69

5.59

9. _____ is 0.01 more than 2.809

2.819

Use mental math to solve.

10. 0.7 ÷ 0.02 = 0,72

11. 0.3 ÷ 2.87 = 3,17

12. 7,980 − 90 = 7,890

13. 300 × 12 = 3,600

14. Suri bought a skirt for $25.90 and a sweatshirt for $19.90. She paid the cashier $50.00. How much change did she receive?

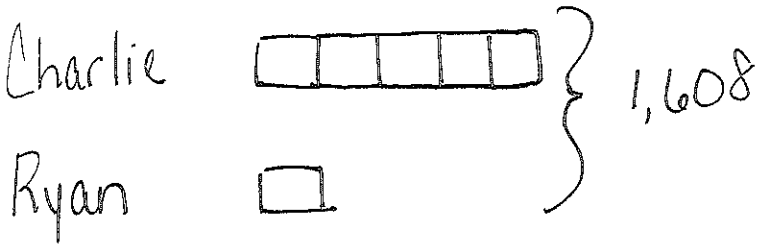
$25.90 + 19.90 = $45.80

50.00 − 45.80 = $4.20

Suri received $4.20 change.

Use a bar model to solve.

15. Charlie has 5 times as many stamps as Ryan. They have 1,608 stamps in all. How many more stamps does Charlie have than Ryan?



(A) 6 units = 1,608

1 unit = 1,608 ÷ 6

1 unit = 268

$$\begin{array}{r} 268 \\ 6\overline{)1,608} \\ -1200 \\ \hline 408 \\ -360 \\ \hline 48 \end{array}$$

$$\begin{array}{r} 268 \\ \times\ 5 \\ \hline 1,340 \end{array}$$

$$\begin{array}{r} 1,340 \\ -\ 268 \\ \hline 1,072 \end{array}$$

(B) 268 × 5 = Charlie's stamps

(C) 1340 − 268 = 1,072

Charlie has 1,072 more stamps than Ryan.

Day 6

1. The product of two numbers is 216.
One of the numbers is 8. What is the other number?

27 (8 × 27)

$$8\overline{)216} \quad -160 \quad -56 \quad 56$$

2. Round 628 to the nearest ten.

630

3. Kim cut a piece of yarn into different fractional parts:
1/12, 1/4, 5/12
What fraction of the yarn is left?

$\frac{1}{12} + \frac{1}{4} + \frac{5}{12}$ | $\frac{1}{12} + \frac{3}{12} + \frac{5}{12} = \frac{9}{12}$ | $\frac{4}{4} - \frac{3}{4} = \frac{1}{4}$

$\frac{1}{4} = \frac{3}{12}$ | $= \frac{3}{4}$ |

1/4

4. List the factors of 45.

1, 3, 5, 9, 15, 45

5. Write the numeral:

five hundred thirty-three thousand, forty two

533,042

6. An empty parking lot has 300 spaces. 215 cars and 89 SUVs drive into the parking lot. How many vehicles do not have parking spaces?

$215 + 89 = 304$ $\quad 304 - 300 = 4$

4 vehicles

7. 1 - 3/10 = ?

$\frac{10}{10} - \frac{3}{10} = \frac{7}{10}$

$\frac{7}{10}$

8. Round $8.76 to the nearest dollar.

$9.00

Solve.

9. 5,023 x 6 = 30,138

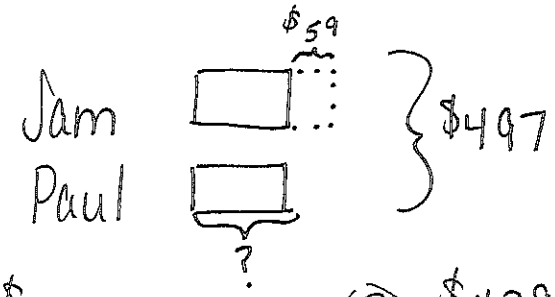
$$\begin{array}{r} 5,023 \\ \times \quad 6 \\ \hline 30,138 \end{array}$$

10. 567 ÷ 3 = 189

$$\begin{array}{r} 189 \\ 3\overline{)567} \\ -300 \\ \hline 267 \\ -240 \\ \hline 27 \\ -27 \\ \hline 0 \end{array}$$

Use a bar model to solve.

11. Sam and Paul have $497 altogether. If Sam has $59 more than Paul, how much money does Paul have?



(A) $497 − 59 = $438

(B) $438 ÷ 2 = $219

$$\begin{array}{r} 219 \\ 2\overline{)438} \\ -400 \\ \hline 38 \\ -20 \\ \hline 18 \\ -18 \\ \hline \end{array}$$

Paul has $219.

Find the fraction of each set. Draw a box around your answer.

12. 4/5 of 20 = 16

$\frac{4}{5} \times \frac{20^{4}}{1} = 16$ (or) 20 ÷ 5 = 4, 4 × 4 = 16

13. 2/7 of 42 = 12

$\frac{2}{7} \times \frac{42^{6}}{1} = 12$ (or) 42 ÷ 7 = 6, 6 × 2 = 12

14. 360° is one full turn or 4 right angles.

15. 13,901 = 10,000 + 3,000 + 900 + 1

Day 7

1. Compare using <, >, or =.

$5\frac{1}{3} \square 5/3$

$1\frac{2}{3}$

>

2. In a class of 30 children, 8 wear glasses. What fraction of the children wears glasses?

$\frac{8}{30} = \frac{4}{15}$

3. Mrs. Smith bought 15.5 yards of fabric. She used 8.75 yards to make some curtains. She used the rest to cover 3 chairs. How much fabric did she use for each chair?

$$\begin{array}{r} {}^{1}\cancel{15}^{14}.\cancel{5}0 \\ -\ 8.75 \\ \hline 6.75 \end{array}$$

$$\begin{array}{r} 2.25 \\ 3\overline{)6.75} \\ -\ 6.00 \\ \hline .75 \\ -.60 \\ \hline .15 \\ -.15 \\ \hline 0 \end{array}$$

2.25

4. Write $5\frac{3}{4}$ as an improper fraction.

$\frac{23}{4}$

5. If $5 \times$ _____ $\times 8 = 320$, what is the missing factor?

$320 \div 8 = 40 \qquad 40 \div 5 = 8$

8

6. $2/3 + 7/12 = ?$

$\frac{2}{3} = \frac{8}{12} \qquad \frac{8}{12} + \frac{7}{12} = \frac{15}{12} = 1\frac{3}{12} = 1\frac{1}{4}$

$1\frac{1}{4}$

Solve. Show your work. Reduce to simplest form.

7. $3/4 \div 6\ 3/8 =$

$\frac{3}{4} = \frac{6}{8} \qquad \frac{6}{8} \div 6\frac{3}{8} = 6\frac{9}{8} = 7\frac{1}{8}$

$= 6 + 1\frac{1}{8} = 7\frac{1}{8}$

8. Which is a (are) prime number(s)?
92, 63, 31

31

9. 326 × 27 =

$$\begin{array}{r} 326 \\ \times\ 27 \\ \hline 2282 \\ +6520 \\ \hline 8802 \end{array}$$

8,802

10. 5,342 ÷ 4 =

$$\begin{array}{r} 1335 \text{ r } 2 \\ 4\overline{)5342} \\ -4000 \\ \hline 1342 \\ -1200 \\ \hline 142 \\ -120 \\ \hline 22 \\ -20 \\ \hline 2 \end{array}$$

1,335 r 2

Use mental math to solve.

11. 1.5 - 0.6 = 0.9

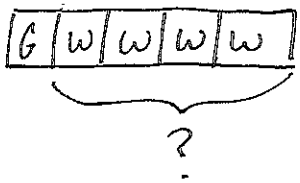
12. 8 - 0.1 = 7.9

13. 5.7 ÷ 0.3 = 6.0

14. 5,000 × 6 = 30,000

Use a bar model to solve.

15. One morning, the shirt shop sold 15 t-shirts. Of the t-shirts sold, 1/5 were gray. The rest were white. How many white t-shirts were sold?

T-shirts 

(A) 5 units = 15

(B) 1 unit = 15 ÷ 5
1 unit = 3

(C) 4 × 3 = 12

12 white T-shirts were sold.

Day 8

1. Which pair of numbers has both a prime and composite number?

A

a. 4 and 7
b. 3 and 13
c. 14 and 28
d. 6 and 8

2. Order from smallest to largest: 1/6, 1/3, 1/4

$\frac{2}{12}, \frac{4}{12}, \frac{3}{12}$

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

3. After giving out 13 stickers to each of her 35 students, Mrs. Johnson had 22 stickers left. How many sticker did she have at first?

477

35 × 13 = 105 + 350 = 455

455 + 22 = 477

4. List the first 6 multiples of 9.

9, 18, 27, 36, 45, 54

5. The difference between 9,856 and 4,598 is ____.

5,258

6. Write as a decimal:

5.18

5 ÷ 1/10 ÷ 8/100

7. Ben has $150. He wants to buy 2 CDs that cost $18.95 each and a camera that cost $79.50. Does he also have enough to buy a pair of jeans that cost $20?

$18.95 → $20.00

$20.00 × 2 = $40.00 CDs

$79.50 → $80.00

$40.00 + $80.00 = $120.00

$150.00 − $120.00 = $30.00

Estimate and write yes or no. Show your work.

Yes

8. 2/9 of 54 = 12

$54 \div 9 = 6$
$6 \times 2 = 12$ (or) $\frac{2}{9} \times \frac{54^{6}}{1} = 12$

Solve. Show your work and box your answers. Give each answer in simplest form.

9. 2/3 + 1/6 = $\frac{5}{6}$

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

$\frac{4}{6} + \frac{1}{6} = \frac{5}{6}$

10. 8/9 - 4/9 - 1/9 = $\frac{3}{9} = \frac{1}{3}$

11. 7/12 - 1/3 = $\frac{1}{4}$

$\frac{1}{3} = \frac{4}{12}$

$\frac{7}{12} - \frac{4}{12} = \frac{3}{12} = \frac{1}{4}$

12. True or False: A straight angle has a measurement of 180°. True

13. 105° is between a $\frac{1}{4}$ turn and a $\frac{1}{2}$ turn.

14. Write in decimal form:
2 dollars and 5 cents $2.05

15. Jim bought a pen and a calculator. He paid the cashier $50 and received $20.45 change. If the pen cost $4.50, how much did the calculator cost? $25.05

$50.00
- 20.45
$29.55 spent
- 4.50 pen
$25.05 calculator

Day 9

1. 1/4 ÷ 5/12 = ?

$\frac{1}{4} \cdot \frac{3}{12}$ $\quad \frac{3}{12} + \frac{5}{12} = \frac{8}{12} = \frac{2}{3}$

$\frac{2}{3}$

2. Mary walked 4/7 of the way to the library. What fraction of the journey did she have left to walk?

$\frac{3}{7}$

3. List the factors of 50.

1, 2, 5, 10, 25, 50

4. Write 0.6 as a fraction.

$\frac{6}{10}$

5. Write 4/100 as a decimal.

0.04

6. In 5.703, the value of the digit 3 is _____.

3 thousandths

7. 2/3 ÷ 7/12 = ?

$\frac{2}{3} = \frac{8}{12}$ $\quad \frac{8}{12} + \frac{7}{12} = \frac{15}{12} = 1\frac{3}{12} = 1\frac{1}{4}$

$1\frac{1}{4}$

8. 5,993 is _____ more than the product of 283 and 21.

283 × 21 = 283 + 5,660 = 5,943

5,993 − 5,943 = 50

50

9. Mrs. Baker made 276 tarts in the morning and 189 tarts in the afternoon. After giving 180 tarts to her friends, she kept the rest equally in 3 containers. How many tarts were there in each container?

276 + 189 = 465 total

465 − 180 = 285 tarts left

285 ÷ 3 = 95

95 tarts

Use mental math to solve.

10. 6,500 + 7,000 = 13,500

11. 400 + 5,700 = 6,100

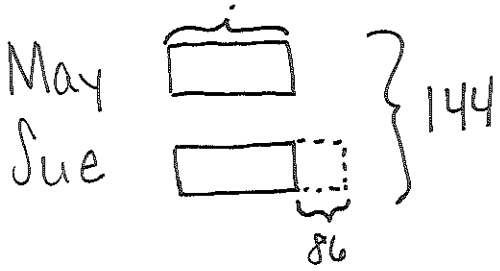
12. 8,000 - 90 = 7,910

13. 800 - 90 = 710

14. 40 x 700 = 28,000

Use a bar model to solve.

15. May has 86 beads fewer than Sue. If they have 144 beads altogether, how many beads does May have?



(A) 144 - 86 = 58

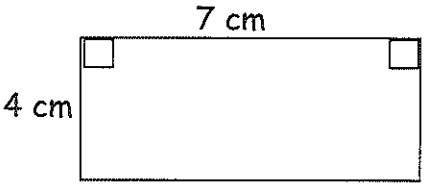
(B) 58 ÷ 2 = 29
1 unit = 29

29
2 | 58
-40
18
-18
0

May has 29 beads.

Perimeter of a rectangle: Remember: (length + width) + (length + width)

16.



= 7 cm + 4 cm + 7 cm + 4 cm

= 22 cm

The perimeter of this rectangle is 22 cm.

Day 10

1. In 2,658 the 2 stands for 2 x ____. 1,000

2. The smallest number that rounds to 60 is ____. 55

3. ____ is 2,000 more than 46,576. 48,576

4. 46,576 is 2,000 more than ____. 44,576

5. Round 5.67 to the nearest tenth. 5.7

6. ____ must be added to 2/5 to get to 13/15. $\frac{7}{15}$

$\frac{2}{5} = \frac{6}{15}$ $\frac{7}{15} + \frac{6}{15}$

7. 1/3 - 1/12 = $\frac{1}{4}$

$\frac{1}{3} = \frac{4}{12}$ $\frac{4}{12} - \frac{1}{12} = \frac{3}{12} = \frac{1}{4}$

8. A group of people visited a museum yesterday. 1/3 of them were boys and 1/9 of them were girls. What fraction of the visitors were adults? $\frac{5}{9}$ adults

$\frac{1}{3} = \frac{3}{9}$ $1 - \frac{4}{9} = \frac{5}{9}$

$\frac{3}{9} + \frac{1}{9} = \frac{4}{9}$ kids $\frac{9}{9} - \frac{4}{9} = \frac{5}{9}$

Express each mixed number as an improper fraction.

9. $3\frac{2}{5} = \frac{17}{5}$ 10. $5\frac{3}{4} = \frac{23}{4}$ 11. $4\frac{1}{2} = \frac{9}{2}$

Solve.

12. $3,214 \div 7 =$ 459 r 1

$$\begin{array}{r} 459\text{ r }1 \\ 7\overline{)3,214} \\ -2,800 \\ \hline 414 \\ -350 \\ \hline 64 \\ -63 \\ \hline 1 \end{array}$$

13. $482 \times 57 =$ 27,474

$$\begin{array}{r} 482 \\ \times\ 57 \\ \hline 3,374 \\ +24,100 \\ \hline 27,474 \end{array}$$

Day	T-shirts sold	Jeans sold
Tuesday	22	26
Wednesday	36	21
Thursday	38	27
Friday	33	41
Saturday	45	37

Circle the correct answers.

14. On which day were 15 more T-shirts sold than jeans?

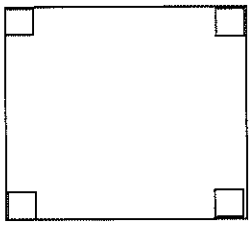
(Wednesday) Thursday Saturday

15. How many items sold on Tuesday and Wednesday combined?

100 (105) 125

16. Find the area of the square below. (Remember: Area = length x width)

9cm



Area of the square = 9cm x 9cm

= 81 cm^2

The area of the square is 81 square centimeters.