

Page 1 (due Tuesday)

TOPIC: DIVISION OF WHOLE NUMBERS

MINI LESSON

Divide in steps.

$\begin{array}{r} 245R3 \\ 5 \overline{) 1,228} \\ \underline{10} \\ 22 \\ \underline{20} \\ 28 \\ \underline{25} \\ 3 \end{array}$	<p>Divide ($12 \div 5$).</p> <p>Multiply (2×5). Subtract ($12 - 10$).</p> <p>Bring down and divide ($22 \div 5$).</p> <p>Multiply (4×5). Subtract ($22 - 20$).</p> <p>Bring down and divide ($28 \div 5$).</p> <p>Multiply (5×5). Subtract ($28 - 25$).</p> <p>Write the remainder after the quotient.</p>
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Directions:

Answer each question. Only one of the answers is correct. Choose the answer you think is the best and shade in that circle in the Answer Box below.

SAMPLE

Estimate the quotient.

$$192 \div 4 = \square$$

A 30

C 50

B 40

D 60

ANSWER BOX: SAMPLE A B C D

VOCABULARY: remainder, quotient, estimate, inverse, operation, number sentence, divisor, dividend

MEMORY TRIGGER: Division and multiplication are inverse, or opposite, operations. For example, $63 \div 9 = 7$ because $7 \times 9 = 63$.

PRACTICE

SHOW YOUR WORK!!!

1. Divide:

$$6 \overline{) 47}$$

A 7

B 7R5

C 8

D 8R5

3. Which number sentence would you use to check $448 \div 8 = 56$?

A $56 \times 8 = 448$

B $56 \div 8 = 7$

C $56 + 8 = 64$

D $56 \div 7 = 8$

2. Robert needs to divide \$40 equally among 5 people. How much money will each person receive?

A \$45

C \$8

B \$10

D \$5

4. Find the divisor.

$$60 \div \square = 15$$

A 2

B 4

C 6

D 8

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TEST YOURSELF

Directions:

Answer each question. Only one of the answers is correct. Choose the answer you think is the best.

SHOW YOUR WORK!!!

5. Divide:

$$8 \overline{)132}$$

- A 16
- B 16R4
- C 17
- D 106R4

8. The quotient of 95 divided by 5 is about .

- A 50
- B 40
- C 30
- D 20

6. Which number sentence would you use to check $76 \div 9 = 8R4$?

- A $(8 \times 9) + 4 = 76$
- B $(8 + 4) \times 9 = 108$
- C $(9 \times 8) \div 4 = 18$
- D $(76 - 4) \div 8 = 9$

9. Find the dividend.

$$\square \div 8 = 15R5$$

- A 25
- B 80
- C 125
- D 160

$$8 \overline{)15R5} \\ \underline{8} \quad ?$$

7. Find the quotient.

- A 45
- B 405
- C 450
- D 4,005

$$3 \overline{)1,215}$$

10. A store received 7 boxes of T-shirts with the same number in each box. If the boxes contained a total of 434 T-shirts, how many were in each box?

- A 62
- B 427
- C 441
- D 3,038

TOPIC: PROBLEM SOLVING—PATTERNS

MINI LESSON

Some problems can be solved by making a table to find a pattern.

In a game, the first pin knocked down is worth 2 points. The second is worth 4 points, the third 6 points, and so on. How many points is the fifth pin worth?

PIN	1	2	3	4	5
POINTS	2	4	6	8	10

The fifth pin is worth 10 points.

Directions:

Answer each question. Only one of the answers is correct. Choose the answer you think is the best and shade in that circle in the Answer Box below.

SAMPLE

Extend the table in the Mini Lesson. Which pin is worth 20 points?

- A sixth
- B seventh
- C ninth
- D tenth

ANSWER BOX: SAMPLE A B C D

VOCABULARY: table, pattern, rule, operation, sequence

MEMORY TRIGGER: Every number pattern has a rule, an operation that is repeated. In the Mini Lesson, the rule is "multiply the number of pins by 2 for the number of points."

PRACTICE

SHOW YOUR WORK!!!

1. Which number is next in this sequence?

0, 13, 26, 39,

- A 13
- B 42
- C 52
- D 65

3. Lynn can read 2 pages in 5 minutes. How long will it take her to read 10 pages?

- A 1 hour
- B 25 minutes
- C 20 minutes
- D 10 minutes

2. Which number is missing in this table?

- A 11
- B 9
- C 6
- D 5

A	B
16	10
12	6
<input type="text"/>	3
7	1

4. What is the rule for this pattern?

13, 10, 7, 4, 1

- A multiply by 3
- B add 3
- C divide by 3
- D subtract 3

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TEST YOURSELF

Directions:

Answer each question. Only one of the answers is correct. Choose the answer you think is the best.

SHOW YOUR WORK!!!

5. Brad made 3 sandwiches for every 2 people at the party. If 8 people were at the party, how many sandwiches did he make?

- A 5 C. 10
B 8 D 12

8. Which number comes first in this sequence?

, 1,000, 100, 10, 1

- A 10
B 10,000
C 100,000
D 1,000,000

6. Which number is missing from this table?

- A \$4
B \$12
C \$14
D \$16

Day	Pay
Mon.	\$6
Tues.	\$10
Wed.	<input type="checkbox"/>
Thurs.	\$18

9. What is the rule for this pattern?

6, 12, 18, 24

- A add 12
B subtract 6
C divide by 6
D add 6

7. For which pattern is the rule "add 7"?

- A 1, 8, 15, 22
B 1, 7, 13, 19
C 7, 15, 23, 31
D 7, 7, 7

10. Marcus got a free soda for every 10 empty soda cans he returned. How many free sodas did he get for 60 empty cans?

- A 6 C 60
B 7 D 70

Find the rule for this sequence and the next number in it.

1, 1, 2, 3, 5,



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TOPIC: PROBLEM SOLVING—MULTIPLE STEPS

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MINI LESSON

Some problems have more than one step.

Mr. Lopez bought a pair of pants for \$32, a shirt for \$20, and a jacket for \$41. How much change did he get from \$100?

$$\begin{array}{r} \text{First add.} \quad \$32 \\ \quad \quad \quad 20 \\ + \quad \quad 41 \\ \hline \quad \quad \quad \$93 \end{array}$$

$$\begin{array}{r} \text{Now subtract.} \quad \$100 \\ \quad \quad \quad - \quad 93 \\ \hline \quad \quad \quad \$ \quad 7 \end{array}$$

Mr. Lopez got \$7 in change.

Directions:

Answer each question. Only one of the answers is correct. Choose the answer you think is the best and shade in that circle in the Answer Box below.

SAMPLE

There are 10 library books on each of 3 shelves and 8 books on a fourth shelf. How many books are there altogether?

- A 48 C 25
B 38 D 21

ANSWER BOX: SAMPLE

A B C D

VOCABULARY: multiple steps, altogether, left, in all, total, number sentence

MEMORY TRIGGER: After finding the answer to a word problem, always go back and read the problem again to see if the answer makes sense.

PRACTICE

SHOW YOUR WORK!!!

1. Susan bought 3 pens at \$1 each and 4 folders at \$2 each. To find how much she spent in all, you would .

- A add $(4 \times \$1)$ to $(3 \times \$2)$
B add $(3 \times \$1)$ to $(4 \times \$2)$
C multiply $(\$1 + \$2)$ by $(3 + 4)$
D multiply $(3 \times \$1)$ by $(4 \times \$2)$

3. Mike had \$8. Then he spent \$2 on food and \$3 on games. Which number sentence shows how much money Mike had left?

- A $\$8 - (\$3 - \$2) = \7
B $\$8 - (\$5 - \$2) = \5
C $\$8 - (\$2 + \$3) = \3
D $\$8 - (\$5 + \$2) = \1

2. In a class of 32 students, 15 have brown hair and 10 have black hair. How many students have hair of other colors?

- A 7 C 22
B 17 D 25

4. Roberta had \$10. She bought 3 comic books and got \$4 in change. If the comic books were all the same price, how much did each one cost?

- A \$10 C \$4
B \$6 D \$2

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TEST YOURSELF
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Directions:

Answer each question. Only one of the answers is correct. Choose the answer you think is the best.

SHOW YOUR WORK!!!

5. Ben had 45 baseball cards. He gave 10 to each of 3 friends. To find how many cards he had left, you would .

- A subtract 10 from 45
- B subtract (3×10) from 45
- C subtract $(10 + 3)$ from 45
- D subtract 3 from 45

8. The merry-go-round had 25 riders. When it stopped, 15 people got off and 12 more got on. How many people were on it then?

- A 12
- B 15
- C 22
- D 28

6. Mrs. Baker bought 2 books of 10 stamps each. She used 11 stamps. How many stamps did she have left?

- A 1
- B 2
- C 8
- D 9

9. Kim knocked down 3 pins worth 2 points each and 2 pins worth 4 points each. Which number sentence shows her total score?

- A $(3 + 2) + (2 + 4) = 11$
- B $(3 \times 2) + (2 \times 4) = 14$
- C $(3 + 2) \times (2 + 4) = 30$
- D $(3 \times 2) \times (2 \times 4) = 48$

7. Mr. Chan bought 5 dinners for \$5 each and 4 desserts for \$2 each. How much did the meal cost in all?

- A \$33
- B \$25
- C \$16
- D \$7

10. Juana bought 3 play tickets. How much change did she get from \$20 if each ticket cost \$4?

- A \$13
- B \$12
- C \$8
- D \$4

The school sold 386 tickets for the first football game of the year. For the second game, it sold 214 less tickets than it did for the first game. How many tickets were sold for both games?

