Is 4,212 divisible by:

	Yes	No
2?		
3?		
4?		
5?		
6?		
9?		
10?		

Name _____

TOPIC 5

Reteaching

Set A pages 235–240

Find $18\overline{)139}$.

Step 1 Estimate. How many times can you multiply the divisor to get a product that is close to the dividend?

$7 \times 20 = 140$ ← Use 7 as your estimate.

Step 2 Divide the ones. How many ones in 139 can go into each of 18 groups?

$$\begin{array}{r} 7 \\ 18\overline{)139} \\ 126 \end{array} \quad 7 \times 18 = 126$$

Step 3 Subtract. Write the remainder.

$$\begin{array}{r} 7 \text{ R } 13 \\ 18\overline{)139} \\ -126 \\ \hline 13 \end{array}$$

Remember that you can use multiplication to estimate the quotient.

1. $25\overline{)194}$
2. $13\overline{)90}$
3. $37\overline{)120}$
4. $18\overline{)85}$
5. $14\overline{)73}$
6. $49\overline{)216}$
7. $79\overline{)698}$
8. $82\overline{)599}$

Set B pages 241–246, 247–252

Find $789 \div 19$.

Estimate first.

$800 \div 20 = 40$.

Divide the tens. Multiply, subtract, and compare.

Bring down the ones. Divide the ones. Multiply, subtract, and compare. Check the quotient with your estimate.

$$\begin{array}{r} 41 \text{ R } 10 \\ 19\overline{)789} \\ -76 \\ \hline 29 \\ -19 \\ \hline 10 \end{array}$$

Remember that you can check your answer by multiplying the quotient by the divisor, and then adding the remainder.

1. $16\overline{)234}$
2. $38\overline{)792}$
3. $42\overline{)523}$
4. $47\overline{)5,190}$
5. $58\overline{)7,211}$
6. $12\overline{)3,549}$

Set C pages 253–258

Find 4,321 ÷ 21.

Estimate first to help decide where to place the first digit in the quotient. Use compatible numbers.

Think: 4,000 ÷ 20 = 200

So, the first digit is in the hundreds place.

Divide.

$$\begin{array}{r} 205\ \text{R16} \\ 21\overline{)4{,}321} \\ -\ 42 \\ \hline 121 \\ -\ 105 \\ \hline 16 \end{array}$$

Remember that you can use your estimate to check your answer for reasonablesness.

Estimate and then find each quotient. Check each answer for reasonableness.

1. 612 ÷ 21
2. 544 ÷ 57
3. 5,100 ÷ 24
4. 1,777 ÷ 88
5. $47\overline{)5{,}198}$
6. $92\overline{)3{,}612}$
7. $11\overline{)1{,}224}$
8. $26\overline{)6{,}333}$

Set D pages 259–264

Decide if the problem has missing or extra information. Solve if possible.

Kay has 3 folders. Each folder has 6 pockets for subjects. How many sheets of paper are in each folder?

What you know: 3 folders, 6 pockets per folder

What you want to find: How many sheets of paper are in each folder

Can you solve? No, information about the number of sheets of paper is missing.

Remember that some problems have extra information, but can be solved.

Decide if the problem has missing or extra information. Solve if possible.

1. Mario had $40.20. He went to the store and bought apples, cereal, and bread. How much change did he get back?

2. Alanna bought 6 books. Each book cost $13, and each bookmark cost $2. How much did she spend on books?

Name _____

TOPIC 6

Reteaching

Set A pages 273–278

Find 34.05 ÷ 100.

Dividing by 10 means moving the decimal point one place to the left.

Dividing by 100 means moving the decimal point two places to the left.

34.05 ÷ 100 = 0.3405 = 0.3405

Remember that when dividing decimals by 10 or 100, you may need to use one or more zeros as placeholders: 243 ÷ 100 = 2.43.

Use mental math to find each quotient.

1. 34.6 ÷ 10
2. 6,483 ÷ 100
3. 148.3 ÷ 10
4. 299 ÷ 100
5. 70.7 ÷ 10
6. 5,913 ÷ 100

Set B pages 279 –284

Estimate 27.3 ÷ 7.1.

Use compatible numbers.

27.3 ÷ 7.1
↓ ↓
28 ÷ 7 = 4

So, 27.3 ÷ 7.1 is about 4.

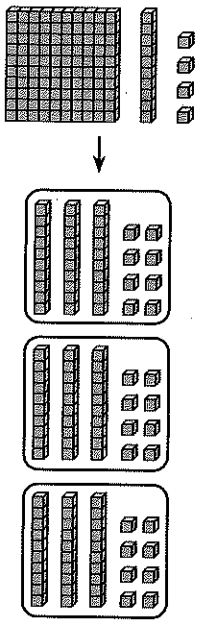
Remember that compatible numbers are numbers that are easy to compute in your head.

Estimate each quotient.

1. 26.2 ÷ 5
2. 49.6 ÷ 7.8
3. 121 ÷ 12.75
4. 32.41 ÷ 10.9

Set C pages 285–290, 291–296

Find 1.14 ÷ 3.



Estimate first.
1.14 ÷ 3 is less than 1, so start dividing in the tenths place.

$$\begin{array}{r} 0.38 \\ 3\overline{)1.14} \\ -\ 9 \\ \hline 24 \\ -\ 24 \\ \hline 0 \end{array}$$

Remember to place the decimal point in the quotient above the decimal point in the dividend. Annex zeros as needed. You may use place-value blocks to help.

1. 6.58 ÷ 7
2. 156 ÷ 8

3. Michelle pays $66.85 for a costume pattern and 8 yards of fabric. The pattern costs $4.85. How much does each yard of the fabric cost?

Set D pages 297–302, 303–308

Find 511 ÷ 14.

Estimate first. 500 ÷ 10 = 50, so start dividing in the tens place.

$$\begin{array}{r} 36.5 \\ 14\overline{)511.0} \\ -\ 42 \\ \hline 91 \\ -\ 84 \\ \hline 70 \\ -\ 70 \\ \hline 0 \end{array}$$

Place the decimal point. Annex a zero.

Remember that you can check your calculation by multiplying the quotient by the divisor.

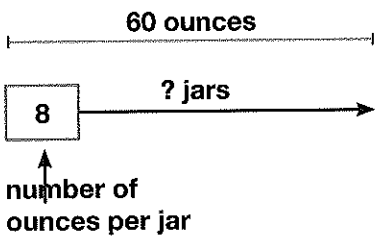
1. 29.04 ÷ 22

2. 144 ÷ 45

3. A 12-ounce bottle of shampoo costs $4.20. A 16-ounce bottle costs $6.88. Which shampoo costs less per ounce? How do you know?

Set E pages 309–314

Christine made 60 ounces of jelly. She puts the jelly in 8-ounce jars. How many jars can she fill? How many jars does she need in all?



Divide.

$$\begin{array}{r} 7.5 \\ 8\overline{)60.0} \\ -\ 56 \\ \hline 40 \\ -\ 40 \\ \hline 0 \end{array}$$

She can fill 7 jars, but she needs 8 jars in all.

Use multiplication to check the calculation.
7.5 × 8 = 60

Remember to check the reasonableness of a solution by making sure your calculations are correct, and that you answered the question(s).

1. Ian uses 4 feet of ribbon to wrap each package. How many packages can he wrap with 5.5 yards of ribbon? (Hint: There are 3 feet in a yard.)

2. A painter uses 4 gallons of paint to paint each apartment in a building. If the painter has 45 gallons of paint, how many apartments can be painted completely? How much paint will be left over?