8 Practice • • • • • • • • • • Using the Divisibility Rules for 2, 3, 4, and 5

Directions: Using the Rules of Divisibility on page 30, solve the problems on this page. State the divisibility rule which proves each answer. The first one has been done for you.

1.

$$\begin{array}{r} x88 \\ 2\overline{)176} \\ -16 \\ \hline 16 \\ -\ 16 \\ \hline 0 \end{array}$$

Since the last digit of the dividend is an even number, 176 is divisible by the divisor 2.

2. $5\overline{)360}$

3. $3\overline{)126}$

4. $4\overline{)176}$

5. $5\overline{)645}$

6. $3\overline{)813}$

7. $4\overline{)324}$

8. $2\overline{)218}$

9. $4\overline{)520}$

10. $3\overline{)762}$

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8 Practice • • • • • • • • • • Using the Divisibility Rules for 6, 9, and 10

Directions: Using the Rules of Divisibility on page 30, solve the problems on this page. State the divisibility rule which proves each answer. The first one has been done for you.

1.

$$\begin{array}{r} x55 \\ 10\overline{)\,550} \\ -50 \\ \hline 50 \\ -\ 50 \\ \hline 0 \end{array}$$

The last digit of the dividend is 0 so 550 is divisible by 10.

2. $6\overline{)324}$

3. $9\overline{)981}$

4. $6\overline{)336}$

5. $10\overline{)170}$

6. $9\overline{)765}$

7. $6\overline{)414}$

8. $10\overline{)860}$

9. $9\overline{)558}$

10. $10\overline{)230}$