

Name: Class:

Estimate quotients

In each case, find the estimated quotients. (follow the example).

1. Find the estimated quotient of :

$$86 \div 9$$

▶ 86 \longrightarrow 90
 86 is closest to 90
 ▶ 90 \div 9

$$\begin{array}{r} 10 \\ 9 \overline{) 90} \\ \underline{-90} \\ 00 \end{array}$$



The estimated quotient is 10

2. Find the estimated quotient of :

$$5,087 \div 24$$

3. Find the estimated quotient of :

$$24,551 \div 14$$



4. Find the estimated quotient of :

$$32 \div 5$$

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In each case, find the estimated quotients. (follow the example).

1. Find the estimated quotient of :

$86 \div 9$

- ▶ $86 \longrightarrow 90$
- 86 is closest to 90
- ▶ $90 \div 9$

$$\begin{array}{r} 10 \\ 9 \overline{) 90} \\ \underline{-90} \\ 00 \end{array}$$



The estimated quotient is 10

2. Find the estimated quotient of :

$5,087 \div 24$

- ▶ $5,087 \longrightarrow 5,088$
- $5,087$ is closest to $5,088$
- ▶ $5,088 \div 24$

$$\begin{array}{r} 212 \\ 24 \overline{) 5088} \\ \underline{-48} \\ 28 \\ \underline{-24} \\ 48 \\ \underline{-48} \\ 00 \end{array}$$

The estimated quotient is 212



3. Find the estimated quotient of :

$24,551 \div 14$

- ▶ $24,551 \longrightarrow 24,556$
- $24,551$ is closest to $24,556$
- ▶ $24,556 \div 14$

$$\begin{array}{r} 1754 \\ 14 \overline{) 24556} \\ \underline{-14} \\ 105 \\ \underline{-98} \\ 75 \\ \underline{-70} \\ 56 \\ \underline{-56} \\ 00 \end{array}$$

The estimated quotient is 1,754

4. Find the estimated quotient of :

$32 \div 5$

- ▶ $32 \longrightarrow 30$
- 32 is closest to 30
- ▶ $30 \div 5$

$$\begin{array}{r} 6 \\ 5 \overline{) 30} \\ \underline{-30} \\ 00 \end{array}$$

The estimated quotient is 6